

# GEARBOXES

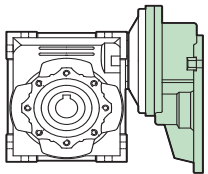







POWER AT WORK.



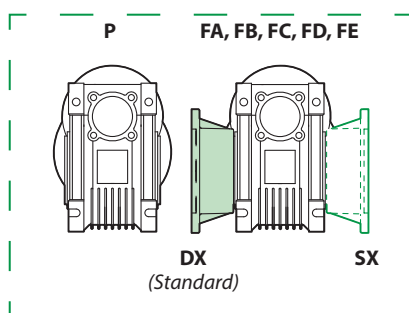
Worm  
Gearboxes  
Variators  
Motors



Designazione / Designation

RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / HELICAL WORM GEARBOXES							ACCESSORI / ACCESSORIES						
Riduttore Gearbox	Grandezza precoppia Size pre-stage	Grandezza riduttore Size gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm			
<b>VR</b>	<b>063/040</b>	<b>P</b>	<b>-</b>	<b>R73.5</b>	<b>63 B5</b>	<b>U</b>	<b>AD</b>	<b>BR</b>					
	063/040 063/050 071/050 071/063 071/075 080/075 080/090 080/110 090/090 090/110 090/130	P FA FB FC FD FE	- DX SX	R61.2 R73.5 R75 R88.2 R90 R98 R117.5 R120 R122.5 R147 R150 R176.4 R180 R235.2 R240 R294 R300  (1)	63 71 80 90	B5	U* B3 B6 B7 B8 V5 V6	AS   AD 	BR 	 p.20	 p.8	 p.93	 p.93

Versione riduttore / Gearbox version

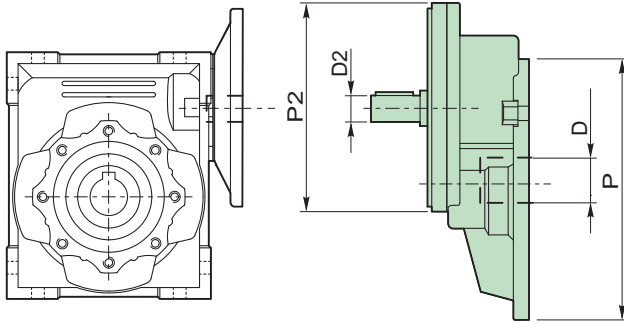


(1) Rapporti di riduzione reali del kit precoppia, consultare tab. p.20

\* Dalla gr. 25 alla 63, i riduttori sono forniti in posizione U = Universale

(1) Actual reduction ratios, see table p.20

\* From size 25 to 63, the gearboxes are supplied in position U = Universal

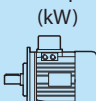
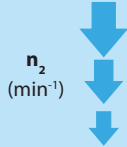

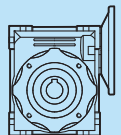
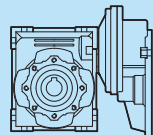
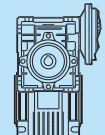
**Predisposizioni IEC / IEC Pre-arrangements**


IEC: P / D

VR	CODICE / CODE	P	D	P2	D2
<b>063/040</b>	PR063A11	140	11	105	11
<b>063/050</b>	PR063A14	140	11	105	14
<b>071/050</b>	PR071A14	160	14	120	14
<b>071/063</b>	PR071A19	160	14	120	19
<b>080/075</b>	PR080A19	200	19	160	19
<b>080/090</b>	PR080A24	200	19	160	24
<b>090/090</b>	PR090A24	200	24	160	24
<b>090/110</b>	PR090A28	200	24	160	28
<b>090/130</b>	PR090A28	200	24	160	28

<b>i = R1 x R2</b>		<b>Grandezza precoppia / Size pre-stage</b>			
<b>Grandezza riduttore Size gearbox</b>	<b>R2</b>	<b>063</b>	<b>071</b>	<b>080</b>	<b>090</b>
		IEC 140 / 11	IEC 160 / 14	IEC 200 / 19	IEC 200 / 24
		R1 = 2.94	R1 = 2.94	R1 = 3	R1 = 2.45
<b>VR ... / 040</b>	25	i = 73.5			
	30	i = 88.2			
	40	i = 117.6			
	50	i = 147			
	60	i = 176.4			
	80	i = 235.2			
	100	i = 294			
<b>VR ... / 050</b>	25		i = 73.5		
	30		i = 88.2		
	40	i = 117.6	i = 117.6		
	50	i = 147	i = 147		
	60	i = 176.4	i = 176.4		
	80	i = 235.2	i = 235.2		
	100	i = 294			
<b>VR ... / 063</b>	25				
	30				
	40		i = 117.6		
	50		i = 147		
	60		i = 176.4		
	80		i = 235.2		
	100		i = 294		
<b>VR ... / 075</b>	25			i = 75	
	30			i = 90	
	40			i = 120	
	50		i = 147	i = 150	
	60		i = 176.4	i = 180	
	80		i = 235.2	i = 240	
	100		i = 294	i = 300	
<b>VR ... / 090</b>	25				i = 61.2
	30				i = 73.5
	40			i = 120	i = 98
	50			i = 150	i = 122.5
	60			i = 180	i = 147
	80			i = 240	
	100			i = 300	
<b>VR ... / 110</b>	25				i = 61.2
	30				i = 73.5
	40				i = 98
	50				i = 122.5
	60				i = 147
	80			i = 240	i = 196
	100			i = 300	i = 245
<b>VR ... / 130</b>	25				
	30				
	40				
	50				
	60				
	80				i = 196
	100				i = 245

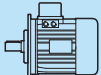
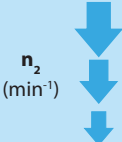

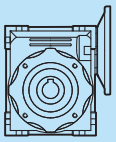
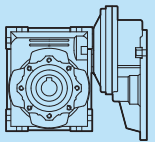
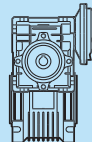
## Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.06</b>								
M1 056 0.06 4P... (n1 = 1400 min <sup>-1</sup> )	280	2	6.2	5	<b>VP025</b>			439
	280	2	10.1	5	<b>VP030</b>			597
	186.7	3	4.2	7.5	<b>VP025</b>			503
	186.7	3	6.9	7.5	<b>VP030</b>			683
	140	3	3.5	10	<b>VP025</b>			553
	140	3	5.4	10	<b>VP030</b>			752
	93.3	5	2.5	15	<b>VP025</b>			633
	93.3	5	3.8	15	<b>VP030</b>			861
	70	6	2	20	<b>VP025</b>			697
	70	6	3	20	<b>VP030</b>			948
	56	7	3	25	<b>VP030</b>			1021
	46.7	8	1.6	30	<b>VP025</b>			798
	46.7	8	2.5	30	<b>VP030</b>			1085
	35	10	1.3	40	<b>VP025</b>			878
	35	10	1.9	40	<b>VP030</b>			1194
	28	12*	0.9*	50	<b>VP025</b>			946
	28	11	1.5	50	<b>VP030</b>			1286
	28	13	3.3	50	<b>VP040</b>			2475
	23.3	14*	0.7*	60	<b>VP025</b>			1006
	23.3	13	1.3	60	<b>VP030</b>			1367
	23.3	14	2.6	60	<b>VP040</b>			2630
	17.5	14*	0.9*	80	<b>VP030</b>			1504
	17.5	17	1.9	80	<b>VP040</b>			2895
	14	25	1.3	100			<b>VC025/030</b>	1620
	14	20	1.5	100	<b>VP040</b>			3118
	14	26	2.7	100			<b>VC030/040</b>	2769
	9.3	32*	0.9*	150			<b>VC025/030</b>	1830
	9.3	37	1.9	150			<b>VC030/040</b>	3169
	7	41*	0.7*	200			<b>VC025/030</b>	1830
	7	47	1.4	200			<b>VC030/040</b>	3488
	7	47	2.6	200			<b>VC030/050</b>	4788
	5.6	44*	0.8*	250			<b>VC025/030</b>	1830
	5.6	55	1.1	250			<b>VC030/040</b>	3490
	5.6	55	2	250			<b>VC030/050</b>	4840
	4.7	59	1.2	300			<b>VC025/040</b>	3490
	4.7	57	1.3	300			<b>VC030/040</b>	3490
	4.7	61	2.4	300			<b>VC030/050</b>	4840
	3.5	71*	0.9*	400			<b>VC025/040</b>	3490
	3.5	70*	0.9*	400			<b>VC030/040</b>	3490
	3.5	73	1.7	400			<b>VC030/050</b>	4840
	3.5	76	3.4	400			<b>VC030/063</b>	6270
	2.8	96*	0.6*	500			<b>VC030/040</b>	3490
2.8	82*	0.7*	500			<b>VC025/040</b>	3490	
2.8	85	1.4	500			<b>VC030/050</b>	4840	
2.8	88	2.7	500			<b>VC030/063</b>	6270	
2.3	101*	0.6*	600			<b>VC025/040</b>	3490	
2.3	104*	0.7*	600			<b>VC030/040</b>	3490	
2.3	109	1.3	600			<b>VC030/050</b>	4840	
2.3	111	2.4	600			<b>VC030/063</b>	6270	
1.9	116*	0.5*	750			<b>VC025/040</b>	3490	
1.9	121*	0.6*	750			<b>VC030/040</b>	3490	
1.9	127	1.1	750			<b>VC030/050</b>	4840	
1.9	129	2.1	750			<b>VC030/063</b>	6270	
1.6	143*	0.5*	900			<b>VC025/040</b>	3490	
1.6	139*	0.5*	900			<b>VC030/040</b>	3490	
1.6	141	1	900			<b>VC030/050</b>	4840	
1.6	148	1.8	900			<b>VC030/063</b>	6270	
1.2	171*	0.4*	1200			<b>VC025/040</b>	3490	
1.2	166*	0.4*	1200			<b>VC030/040</b>	3490	
1.2	169*	0.7*	1200			<b>VC030/050</b>	4840	
1.2	180	1.5	1200			<b>VC030/063</b>	6270	
0.93	199*	0.7*	1500			<b>VC030/050</b>	4840	
0.9	197*	0.3*	1500			<b>VC025/040</b>	3490	
0.9	196*	0.4*	1500			<b>VC030/040</b>	3490	
0.9	204	1.1	1500			<b>VC030/063</b>	6270	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

Tabella dati tecnici motoriduttori / Table technical data gearmotors

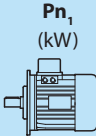
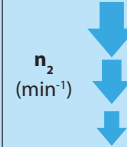
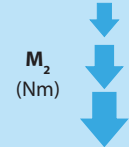
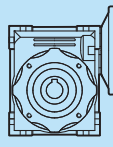
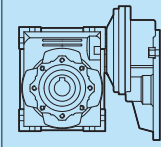
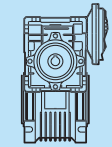
 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.06</b>								
M1 056 0.06 4P... (n1 = 1400 min <sup>-1</sup> )	<b>0.9</b>	248	1.8	1500			<b>VC040/075</b>	7380
	<b>0.9</b>	259	2.7	1500			<b>VC040/090</b>	8180
	<b>0.8</b>	217*	0.3*	1800			<b>VC025/040</b>	3490
	<b>0.8</b>	218*	0.3*	1800			<b>VC030/040</b>	3490
	<b>0.8</b>	278	1.6	1800			<b>VC040/075</b>	7380
	<b>0.8</b>	291	2.4	1800			<b>VC040/090</b>	8180
	<b>0.78</b>	222*	0.7*	1800			<b>VC030/050</b>	4840
	<b>0.78</b>	225*	0.9*	1800			<b>VC030/063</b>	6270
	<b>0.6</b>	268*	0.2*	2400			<b>VC025/040</b>	3490
	<b>0.6</b>	266*	0.5*	2400			<b>VC030/050</b>	4840
	<b>0.6</b>	330	1.1	2400			<b>VC040/075</b>	7380
	<b>0.6</b>	359	1.7	2400			<b>VC040/090</b>	8180
	<b>0.58</b>	261*	0.2*	2400			<b>VC030/040</b>	3490
	<b>0.58</b>	276*	0.8*	2400			<b>VC030/063</b>	6270
	<b>0.5</b>	324*	0.2*	3000			<b>VC025/040</b>	3490
	<b>0.5</b>	307*	0.4*	3000			<b>VC030/050</b>	4840
	<b>0.5</b>	406	1.4	3000			<b>VC040/090</b>	8180
	<b>0.47</b>	319*	0.7*	3000			<b>VC030/063</b>	6270
	<b>0.47</b>	377*	0.8*	3000			<b>VC040/075</b>	7380
	<b>0.4</b>	294*	0.1*	4000			<b>VC025/040</b>	3490
	<b>0.4</b>	279*	0.1*	4000			<b>VC030/040</b>	3490
	<b>0.4</b>	300*	0.2*	3200			<b>VC030/040</b>	3490
	<b>0.35</b>	288*	0.3*	4000			<b>VC030/050</b>	4840
	<b>0.35</b>	306*	0.6*	4000			<b>VC030/063</b>	6270
	<b>0.35</b>	355*	0.7*	4000			<b>VC040/075</b>	7380
	<b>0.35</b>	365	1.3	4000			<b>VC040/090</b>	8180
	<b>0.3</b>	356*	0.1*	5000			<b>VC025/040</b>	3490
	<b>0.29</b>	311*	0.3*	4800			<b>VC030/050</b>	4840
	<b>0.28</b>	338*	0.1*	5000			<b>VC030/040</b>	3490
	<b>0.28</b>	360*	0.4*	5000			<b>VC030/063</b>	6270
	<b>0.28</b>	419*	0.5*	5000			<b>VC040/075</b>	7380
	<b>0.28</b>	431	1	5000			<b>VC040/090</b>	8180
<b>0.09</b>								
M1 056 0.09 2P... (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	2	3.9	7.5	<b>VP025</b>			399
	<b>373.3</b>	2	6.5	7.5	<b>VP030</b>			542
	<b>280</b>	2.6	3.4	10	<b>VP025</b>			439
	<b>280</b>	2.6	5	10	<b>VP030</b>			597
	<b>186.7</b>	3.8	2.4	15	<b>VP025</b>			503
	<b>186.7</b>	3.7	3.5	15	<b>VP030</b>			683
	<b>140</b>	4.9	1.8	20	<b>VP025</b>			553
	<b>140</b>	4.7	2.5	20	<b>VP030</b>			752
	<b>112</b>	5.9	1.5	25	<b>VP025</b>			590
	<b>112</b>	5.5	2.9	25	<b>VP030</b>			810
	<b>93.3</b>	6.4	2.3	30	<b>VP030</b>			861
	<b>93.3</b>	6.7	13	30	<b>VP025</b>			633
	<b>70</b>	8.5	1.1	40	<b>VP025</b>			697
	<b>70</b>	8	18	40	<b>VP030</b>			948
	<b>56</b>	10*	0.9*	50	<b>VP025</b>			751
	<b>56</b>	9.4	1.4	50	<b>VP030</b>			1021
	<b>56</b>	11	2.8	50	<b>VP040</b>			1964
	<b>46.7</b>	11*	0.7*	60	<b>VP025</b>			798
	<b>46.7</b>	10	1.1	60	<b>VP030</b>			1085
	<b>46.7</b>	12	2.3	60	<b>VP040</b>			2087
	<b>35</b>	13*	0.9*	80	<b>VP030</b>			1194
	<b>35</b>	15	1.7	80	<b>VP040</b>			2298
	<b>28</b>	17	1.4	100	<b>VP040</b>			2475
	<b>28</b>	18	1.6	100			<b>VC025/030</b>	1286
	<b>18.7</b>	25	1.1	150			<b>VC025/030</b>	1472
	<b>14</b>	31*	0.9*	200			<b>VC025/030</b>	1620
	<b>14</b>	39	1.8	100			<b>VC025/040</b>	2769
	<b>9.3</b>	54	1.2	150			<b>VC025/040</b>	3488
	<b>9.3</b>	43	1.6	300			<b>VC025/040</b>	3490
	<b>7</b>	70*	0.9*	200			<b>VC025/040</b>	3488
	<b>7</b>	52	1.2	400			<b>VC025/040</b>	3490
	<b>5.6</b>	83*	0.7*	250			<b>VC025/040</b>	3490
	<b>5.6</b>	71*	0.8*	500			<b>VC025/040</b>	3490

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$



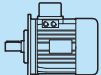
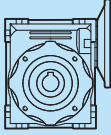
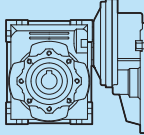
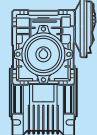
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.09</b>								
M1 056 0.09 4P. (n1 = 1400 min <sup>-1</sup> )	280	3	4.1	5	<b>VP025</b>			439
	280	3	6.7	5	<b>VP030</b>			597
	186.7	4	2.8	7.5	<b>VP025</b>			503
	186.7	4	4.6	7.5	<b>VP030</b>			683
	140	5	2.4	10	<b>VP025</b>			553
	140	5	3.6	10	<b>VP030</b>			752
	93.3	7	1.6	15	<b>VP025</b>			633
	93.3	7	2.5	15	<b>VP030</b>			861
	70	9	1.3	20	<b>VP025</b>			697
	70	9	2	20	<b>VP030</b>			948
	56	10	2	25	<b>VP030</b>			1021
	46.7	12	1.1	30	<b>VP025</b>			798
	46.7	12	1.7	30	<b>VP030</b>			1085
	35	15*	0.9*	40	<b>VP025</b>			878
	35	14	1.2	40	<b>VP030</b>			1194
	28	17	1	50	<b>VP030</b>			1286
	28	19	2	50	<b>VP040</b>			2475
	23.3	19*	0.9*	60	<b>VP030</b>			1367
	23.3	21	1.7	60	<b>VP040</b>			2630
	17.5	26	1.3	80	<b>VP040</b>			2895
	14	38	0.8	100			<b>VC025/030</b>	1620
	14	29	1	100	<b>VP040</b>			3118
	14	39	1.8	100			<b>VC030/040</b>	2769
	14	40	3.4	100			<b>VC030/050</b>	3800
	9.3	49*	0.6*	150			<b>VC025/030</b>	1830
	9.3	56	1.3	150			<b>VC030/040</b>	3169
	9.3	56	2.4	150			<b>VC030/050</b>	4350
	7	62*	0.5*	200			<b>VC025/030</b>	1830
	7	70*	0.9*	200			<b>VC030/040</b>	3488
	7	70	1.7	200			<b>VC030/050</b>	4788
	5.6	66*	0.5*	250			<b>VC025/030</b>	1830
	5.6	83*	0.7*	250			<b>VC030/040</b>	3490
	5.6	83	1.3	250			<b>VC030/050</b>	4840
	5.6	85	2.7	250			<b>VC030/063</b>	6270
	4.7	75*	0.4*	300			<b>VC025/030</b>	1830
	4.7	88*	0.8*	300			<b>VC030/040</b>	3490
	4.7	92	1.6	300			<b>VC030/050</b>	4840
	4.7	88	2.9	300			<b>VC030/063</b>	6270
	3.5	107*	0.3*	400			<b>VC025/030</b>	1830
	3.5	107	1.2	400			<b>VC030/050</b>	4840
	3.5	114	2.2	400			<b>VC030/063</b>	6270
	2.8	115*	0.3*	500			<b>VC025/030</b>	1830
	2.8	123	1	500			<b>VC030/050</b>	4840
	2.8	132	1.8	500			<b>VC030/063</b>	6270
	2.3	135*	0.2*	600			<b>VC025/030</b>	1830
2.3	159*	0.9*	600			<b>VC030/050</b>	4840	
2.3	166	1.6	600			<b>VC030/063</b>	6270	
1.9	151*	0.2*	750			<b>VC025/030</b>	1830	
1.9	185*	0.8*	750			<b>VC030/050</b>	4840	
1.9	194	1.4	750			<b>VC030/063</b>	6270	
1.6	178*	0.2*	900			<b>VC025/030</b>	1830	
1.6	212*	0.7*	900			<b>VC030/050</b>	4840	
1.6	200	1	900			<b>VC030/063</b>	6270	
1.2	212*	0.1*	1200			<b>VC025/030</b>	1830	
1.2	263*	0.9*	1200			<b>VC030/063</b>	6270	
0.93	305*	0.7*	1500			<b>VC030/063</b>	6270	
0.9	247*	0.1*	1500			<b>VC025/030</b>	1830	
0.9	360	1.1	1500			<b>VC040/075</b>	7380	
0.78	304*	0.1*	1800			<b>VC025/030</b>	1830	
0.78	404	1	1800			<b>VC040/075</b>	7380	
0.58	340*	0.1*	2400			<b>VC025/030</b>	1830	
0.58	496*	0.7*	2400			<b>VC040/075</b>	7380	
0.5	609*	0.9*	3000			<b>VC040/090</b>	8180	
0.47	405*	0.1*	3000			<b>VC025/030</b>	1830	
0.35	548*	0.8*	4000			<b>VC040/090</b>	8180	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

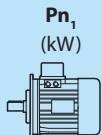
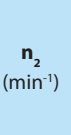
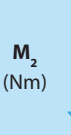
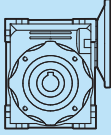
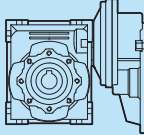
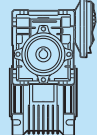
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	$n_2$ ( $min^{-1}$ )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.12</b>								
M1 056 0.12 2P... ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	2.7	3	7.5	<b>VP025</b>			399
	<b>280</b>	3.5	2.6	10	<b>VP025</b>			439
	<b>186.7</b>	5.1	1.8	15	<b>VP025</b>			503
	<b>186.7</b>	5	2.6	15	<b>VP030</b>			683
	<b>140</b>	6.5	1.4	20	<b>VP025</b>			553
	<b>140</b>	6	1.9	20	<b>VP030</b>			752
	<b>112</b>	7.9	1.1	25	<b>VP025</b>			590
	<b>112</b>	8	2.1	25	<b>VP030</b>			810
	<b>93.3</b>	9	1	30	<b>VP025</b>			633
	<b>93.3</b>	9	1.7	30	<b>VP030</b>			861
	<b>70</b>	11*	0.8*	40	<b>VP025</b>			697
	<b>70</b>	11	1.3	40	<b>VP030</b>			948
	<b>56</b>	13	1	50	<b>VP030</b>			1021
	<b>56</b>	14	2.1	50	<b>VP040</b>			1964
	<b>46.7</b>	14*	0.8*	60	<b>VP030</b>			1085
	<b>46.7</b>	16	1.7	60	<b>VP040</b>			2087
	<b>35</b>	20	1.3	80	<b>VP040</b>			2298
	<b>28</b>	23	1	100	<b>VP040</b>			2475
M1 063 0.12 4P... ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	4	5.1	5	<b>VP030</b>			597
	<b>186.7</b>	5	3.4	7.5	<b>VP030</b>			683
	<b>140</b>	7	2.7	10	<b>VP030</b>			752
	<b>93.3</b>	10	1.9	15	<b>VP030</b>			861
	<b>70</b>	12	1.5	20	<b>VP030</b>			948
	<b>70</b>	13	3.3	20	<b>VP040</b>			1824
	<b>56</b>	14	1.5	25	<b>VP030</b>			1021
	<b>56</b>	16	2.5	25	<b>VP040</b>			1964
	<b>46.7</b>	16	1.3	30	<b>VP030</b>			1085
	<b>46.7</b>	17	2.6	30	<b>VP040</b>			2087
	<b>35</b>	19*	0.9*	40	<b>VP030</b>			1194
	<b>35</b>	21	1.9	40	<b>VP040</b>			2298
	<b>28</b>	23*	0.8*	50	<b>VP030</b>			1286
	<b>28</b>	25	1.5	50	<b>VP040</b>			2475
	<b>28</b>	26	2.9	50	<b>VP050</b>			3397
	<b>23.3</b>	28	1.3	60	<b>VP040</b>			2630
	<b>23.3</b>	29	2.3	60	<b>VP050</b>			3610
	<b>19.1</b>	42	1.2	73.5		<b>VR063/040</b>		2833
	<b>17.5</b>	34	1	80	<b>VP040</b>			2895
	<b>17.5</b>	35	1.9	80	<b>VP050</b>			3973
	<b>15.9</b>	46	1.2	88.2		<b>VR063/040</b>		3011
	<b>14</b>	38*	0.8*	100	<b>VP040</b>			3118
	<b>14</b>	52	1.4	100			<b>VC030/040</b>	2769
	<b>14</b>	40	1.4	100	<b>VP050</b>			4280
	<b>14</b>	54	2.6	100			<b>VC030/050</b>	3800
	<b>14</b>	54	2.8	100			<b>VC030/063</b>	4967
	<b>11.9</b>	57*	0.9*	117.6		<b>VR063/040</b>		3314
	<b>11.7</b>	58	1.8	117.6		<b>VR063/050</b>		4548
	<b>9.5</b>	66*	0.7*	147		<b>VR063/040</b>		3490
	<b>9.5</b>	68	1.3	147		<b>VR063/050</b>		4840
	<b>9.3</b>	74	1	150			<b>VC030/040</b>	3169
	<b>9.3</b>	74	1.8	150			<b>VC030/050</b>	4350
	<b>9.3</b>	75	2.8	150			<b>VC030/063</b>	5686
	<b>8</b>	75	1.1	176.4		<b>VR063/050</b>		4840
	<b>7.9</b>	74*	0.6*	176.4		<b>VR063/040</b>		3490
	<b>7</b>	94	1.3	200			<b>VC030/050</b>	4788
<b>7</b>	95	2.7	200			<b>VC030/063</b>	6259	
<b>5.8</b>	88*	0.8*	235.2		<b>VR063/050</b>		4840	
<b>5.6</b>	110	1	250			<b>VC030/050</b>	4840	
<b>5.6</b>	114	2	250			<b>VC030/063</b>	6270	
<b>5.6</b>	120	3.2	250			<b>VC040/075</b>	7380	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

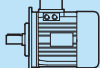
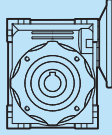
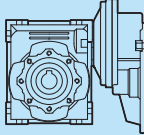
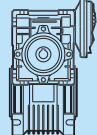
 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.12</b>								
M1 063 0.12 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>4.8</b>	98*	0.7*	294		<b>VR063/050</b>		4840
	<b>4.7</b>	119	1.2	300			<b>VC030/050</b>	4840
	<b>4.7</b>	117	2.2	300			<b>VC030/063</b>	6270
	<b>4.7</b>	134	3.3	300			<b>VC040/075</b>	7380
	<b>3.5</b>	142*	0.9*	400			<b>VC030/050</b>	4840
	<b>3.5</b>	152	1.7	400			<b>VC030/063</b>	6270
	<b>3.5</b>	164	2.5	400			<b>VC040/075</b>	7380
	<b>2.8</b>	164*	0.7*	500			<b>VC030/050</b>	4840
	<b>2.8</b>	171	1.3	500			<b>VC030/063</b>	6270
	<b>2.8</b>	188	2	500			<b>VC040/075</b>	7380
	<b>2.8</b>	202	2.8	500			<b>VC040/090</b>	8180
	<b>2.3</b>	208	1.1	600			<b>VC030/063</b>	6270
	<b>2.3</b>	248	1.8	600			<b>VC040/075</b>	7380
	<b>2.3</b>	260	2.7	600			<b>VC040/090</b>	8180
	<b>1.9</b>	241*	0.9*	750			<b>VC030/063</b>	6270
	<b>1.9</b>	299	1.5	750			<b>VC040/075</b>	7380
	<b>1.9</b>	313	2.2	750			<b>VC040/090</b>	8180
	<b>1.6</b>	297*	0.9*	900			<b>VC030/063</b>	6270
	<b>1.6</b>	325	1.2	900			<b>VC040/075</b>	7380
	<b>1.6</b>	350	2	900			<b>VC040/090</b>	8180
	<b>1.2</b>	360*	0.8*	1200			<b>VC030/063</b>	6270
	<b>1.2</b>	399*	0.9*	1200			<b>VC040/075</b>	7380
	<b>1.2</b>	434	1.6	1200			<b>VC040/090</b>	8180
	<b>1.2</b>	448	2.8	1200			<b>VC050/110</b>	10320
	<b>0.9</b>	495*	0.9*	1500			<b>VC040/075</b>	7380
	<b>0.9</b>	518	1.4	1500			<b>VC040/090</b>	8180
	<b>0.9</b>	527	2.4	1500			<b>VC050/110</b>	10320
	<b>0.8</b>	556*	0.8*	1800			<b>VC040/075</b>	7380
	<b>0.8</b>	547*	0.9*	1800			<b>VC040/090</b>	8180
	<b>0.8</b>	592	2.1	1800			<b>VC050/110</b>	10320
	<b>0.6</b>	766	1.5	2400			<b>VC050/110</b>	10320
	<b>0.58</b>	695*	0.9*	2400			<b>VC040/090</b>	8180
<b>0.5</b>	884	1.2	3000		<b>VC050/110</b>	10320		
<b>0.35</b>	784	1	4000		<b>VC050/110</b>	10320		
<b>0.28</b>	928*	0.8*	5000		<b>VC050/110</b>	10320		
M1 063 0.12 6P.. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>180</b>	5	3.7	5	<b>VP030</b>			692
	<b>120</b>	8	2.5	7.5	<b>VP030</b>			792
	<b>90</b>	10	2	10	<b>VP030</b>			871
	<b>60</b>	14	1.4	15	<b>VP030</b>			997
	<b>60</b>	15	3.3	15	<b>VP040</b>			1920
	<b>45</b>	18	1.1	20	<b>VP030</b>			1098
	<b>45</b>	19	2.5	20	<b>VP040</b>			2113
	<b>36</b>	20	1.1	25	<b>VP030</b>			1183
	<b>36</b>	23	1.9	25	<b>VP040</b>			2276
	<b>30</b>	23*	0.9*	30	<b>VP030</b>			1257
	<b>30</b>	25	1.9	30	<b>VP040</b>			2419
	<b>22.5</b>	29*	0.7*	40	<b>VP030</b>			1383
	<b>22.5</b>	32	1.4	40	<b>VP040</b>			2662
	<b>22.5</b>	32	2.6	40	<b>VP050</b>			3654
	<b>18</b>	36	1.2	50	<b>VP040</b>			2868
	<b>18</b>	38	2	50	<b>VP050</b>			3936
	<b>15</b>	41*	0.9*	60	<b>VP040</b>			3047
	<b>15</b>	42	1.7	60	<b>VP050</b>			4183
	<b>12.3</b>	62	1	73.5		<b>VR063/040</b>		3283
	<b>11.3</b>	50*	0.7*	80	<b>VP040</b>			
	<b>11.3</b>	50	1.4	80	<b>VP050</b>			4604
	<b>10.2</b>	68	1.1	88.2		<b>VR063/040</b>		3488
	<b>9</b>	56	1	100	<b>VP050</b>			
	<b>7.7</b>	83*	0.8*	117.6		<b>VR063/040</b>		3490
	<b>7.7</b>	84	1.5	117.6		<b>VR063/050</b>		4840
	<b>6.1</b>	97	1.2	147		<b>VR063/050</b>		4840
	<b>5.1</b>	108	1	176.4		<b>VR063/050</b>		4840
	<b>3.8</b>	125*	0.7*	235.2		<b>VR063/050</b>		4840

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$



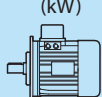
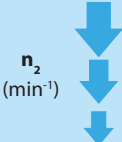
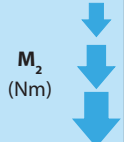
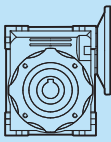
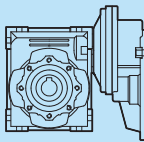
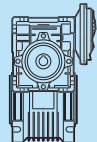
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.18</b>								
M1 063 0.18 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	4	3.2	7.5	<b>VP030</b>			542
	<b>280</b>	5.2	2.5	10	<b>VP030</b>			597
	<b>186.7</b>	7.4	1.8	15	<b>VP030</b>			683
	<b>140</b>	9.5	1.3	20	<b>VP030</b>			752
	<b>140</b>	10	2.8	20	<b>VP040</b>			1447
	<b>112</b>	11	1.4	25	<b>VP030</b>			810
	<b>112</b>	12	2.3	25	<b>VP040</b>			1559
	<b>93.3</b>	13	1.2	30	<b>VP030</b>			861
	<b>93.3</b>	14	2.5	30	<b>VP040</b>			1657
	<b>70</b>	16*	0.9*	40	<b>VP030</b>			948
	<b>70</b>	17	1.8	40	<b>VP040</b>			1824
	<b>70</b>	18	3.2	40	<b>VP050</b>			2503
	<b>56</b>	21	1.4	50	<b>VP040</b>			1964
	<b>56</b>	21	2.5	50	<b>VP050</b>			2696
	<b>46.7</b>	24	1.2	60	<b>VP040</b>			2087
	<b>46.7</b>	24	2.1	60	<b>VP050</b>			2865
	<b>35</b>	29*	0.8*	80	<b>VP040</b>			2298
	<b>35</b>	30	1.5	80	<b>VP050</b>			3153
<b>28</b>	34	1.2	100	<b>VP050</b>			3397	
M1 063 0.18 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	5	3.4	5	<b>VP030</b>			597
	<b>186.7</b>	8	2.3	7.5	<b>VP030</b>			683
	<b>140</b>	10	1.8	10	<b>VP030</b>			752
	<b>93.3</b>	14	1.3	15	<b>VP030</b>			861
	<b>93.3</b>	15	2.9	15	<b>VP040</b>			1657
	<b>70</b>	18	1	20	<b>VP030</b>			948
	<b>70</b>	19	2	20	<b>VP040</b>			1824
	<b>56</b>	21	1	25	<b>VP030</b>			1021
	<b>56</b>	23	1.7	25	<b>VP040</b>			1964
	<b>46.7</b>	24*	0.8*	30	<b>VP030</b>			1085
	<b>46.7</b>	26	1.7	30	<b>VP040</b>			2087
	<b>35</b>	32	1.3	40	<b>VP040</b>			2298
	<b>35</b>	33	2.3	40	<b>VP050</b>			3153
	<b>28</b>	38	1	50	<b>VP040</b>			2475
	<b>28</b>	39	1.9	50	<b>VP050</b>			3397
	<b>23.3</b>	43*	0.8*	60	<b>VP040</b>			2630
	<b>23.3</b>	43	1.6	60	<b>VP050</b>			3610
	<b>19.1</b>	64*	0.8*	73.5		<b>VR063/040</b>		2833
	<b>17.5</b>	52	1.2	80	<b>VP050</b>			3973
	<b>15.9</b>	70*	0.8*	88.2		<b>VR063/040</b>		3011
	<b>14</b>	78*	0.9*	100			<b>VC030/040</b>	2769
	<b>14</b>	60*	0.9*	100	<b>VP050</b>			4280
	<b>14</b>	81	1.7	100			<b>VC030/050</b>	3800
	<b>14</b>	81	1.9	100			<b>VC030/063</b>	4967
	<b>11.9</b>	85*	0.6*	117.6		<b>VR063/040</b>		3314
	<b>11.9</b>	87	1.1	117.6		<b>VR063/050</b>		4548
	<b>9.5</b>	101*	0.9*	147		<b>VR063/050</b>		4840
	<b>9.3</b>	112	1.2	150			<b>VC030/050</b>	4350
	<b>9.3</b>	113	1.9	150			<b>VC030/063</b>	5686
	<b>7.9</b>	113*	0.7*	176.4		<b>VR063/050</b>		4840
	<b>7</b>	141*	0.9*	200			<b>VC030/050</b>	4788
	<b>7</b>	143	1.8	200			<b>VC030/063</b>	6259
<b>7</b>	150	2.8	200			<b>VC040/075</b>	7380	
<b>5.8</b>	133*	0.6*	235.2		<b>VR063/050</b>		4840	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

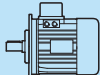
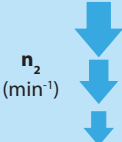

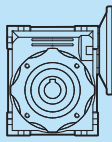
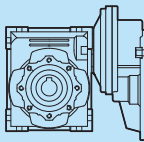
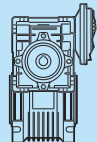
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.18</b>								
M1 063 0.18 4P. (n1 = 1400 min <sup>-1</sup> )	<b>5.6</b>	171	1.4	250			<b>VC030/063</b>	6270
	<b>5.6</b>	180	2.1	250			<b>VC040/075</b>	7380
	<b>5.6</b>	188	3	250			<b>VC040/090</b>	8180
	<b>4.7</b>	183*	0.8*	300			<b>VC030/050</b>	4840
	<b>4.7</b>	175	1.5	300			<b>VC030/063</b>	6270
	<b>4.7</b>	200	2.2	300			<b>VC040/075</b>	7380
	<b>4.7</b>	210	3.3	300			<b>VC040/090</b>	8180
	<b>3.5</b>	222	1	400			<b>VC030/063</b>	6270
	<b>3.5</b>	246	1.7	400			<b>VC040/075</b>	7380
	<b>3.5</b>	259	2.4	400			<b>VC040/090</b>	8180
	<b>2.8</b>	257*	0.8*	500			<b>VC030/063</b>	6270
	<b>2.8</b>	282	1.3	500			<b>VC040/075</b>	7380
	<b>2.8</b>	303	1.9	500			<b>VC040/090</b>	8180
	<b>2.3</b>	333*	0.8*	600			<b>VC030/063</b>	6270
	<b>2.3</b>	362	1.1	600			<b>VC040/075</b>	7380
	<b>2.3</b>	390	1.8	600			<b>VC040/090</b>	8180
	<b>1.9</b>	435*	0.9*	750			<b>VC040/075</b>	7380
	<b>1.9</b>	469	1.5	750			<b>VC040/090</b>	8180
	<b>1.6</b>	487*	0.8*	900			<b>VC040/075</b>	7380
	<b>1.6</b>	526	1.3	900			<b>VC040/090</b>	8180
<b>1.2</b>	622*	0.7*	1200			<b>VC040/075</b>	7380	
<b>1.2</b>	629	1	1200			<b>VC040/090</b>	8180	
<b>1.2</b>	671	1.9	1200			<b>VC050/110</b>	10320	
<b>0.9</b>	735*	0.8*	1500			<b>VC040/090</b>	8180	
<b>0.9</b>	790	1.6	1500			<b>VC050/110</b>	10320	
<b>0.8</b>	874*	0.8*	1800			<b>VC040/090</b>	8180	
<b>0.8</b>	861	1.5	1800			<b>VC050/110</b>	10320	
<b>0.58</b>	1113	1.1	2400			<b>VC050/110</b>	10320	
<b>0.5</b>	1370*	0.8*	3000			<b>VC050/110</b>	10320	
M1 071 0.18 6P. (n1 = 900 min <sup>-1</sup> )	<b>90</b>	16	3	10	<b>VP040</b>			1677
	<b>60</b>	23	2.2	15	<b>VP040</b>			1920
	<b>45</b>	29	1.5	20	<b>VP040</b>			2113
	<b>45</b>	29	2.8	20	<b>VP050</b>			2900
	<b>36</b>	34	1.3	25	<b>VP040</b>			2276
	<b>36</b>	35	2.1	25	<b>VP050</b>			3124
	<b>30</b>	38	1.3	30	<b>VP040</b>			2419
	<b>30</b>	40	2.4	30	<b>VP050</b>			3320
	<b>22.5</b>	47	1	40	<b>VP040</b>			2662
	<b>22.5</b>	49	1.8	40	<b>VP050</b>			3654
	<b>22.5</b>	50	3.4	40	<b>VP063</b>			4776
	<b>18</b>	56	1.4	50	<b>VP050</b>			3936
	<b>18</b>	59	2.7	50	<b>VP063</b>			5145
	<b>15</b>	63	1.1	60	<b>VP050</b>			4183
	<b>15</b>	66	2.1	60	<b>VP063</b>			5467
	<b>15</b>	66	2.1	60	<b>VP075</b>			5467
	<b>12.2</b>	95	1.2	73.5		<b>VR071/050</b>		4506
	<b>11.3</b>	75*	0.9*	80	<b>VP050</b>			4604
	<b>11.3</b>	79	1.6	80	<b>VP063</b>			6018
	<b>11.3</b>	79	1.6	80	<b>VP075</b>			6018
	<b>10.2</b>	105	1.4	88.2		<b>VR071/050</b>		4788
	<b>9</b>	90	1.4	100	<b>VP063</b>			6270
	<b>9</b>	90	1.4	100	<b>VP075</b>			6270
	<b>7.7</b>	126	1	117.6		<b>VR071/050</b>		4840
	<b>7.7</b>	131	1.8	117.6		<b>VR071/063</b>		6270
	<b>6.1</b>	152	1.4	147		<b>VR071/063</b>		6270
	<b>6</b>	148*	0.8*	147		<b>VR071/050</b>		4840
	<b>5.1</b>	168	1.2	176.4		<b>VR071/063</b>		6270
	<b>5.1</b>	179	1.7	176.4		<b>VR071/075</b>		7380
	<b>3.8</b>	197*	0.9*	235.2		<b>VR071/063</b>		6270
	<b>3.8</b>	211	1.2	235.2		<b>VR071/075</b>		7380
	<b>3.1</b>	218*	0.7*	294		<b>VR071/063</b>		6270
	<b>3.1</b>	235	1	294		<b>VR071/075</b>		7380

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

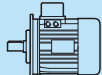
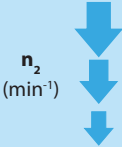
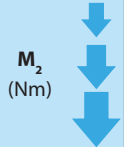
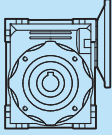
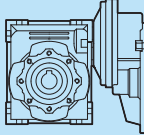
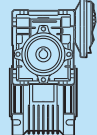
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 063 0.25 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	5.6	2.3	7.5	<b>VP030</b>			542
	<b>280</b>	7.2	1.8	10	<b>VP030</b>			597
	<b>186.7</b>	10	1.3	15	<b>VP030</b>			683
	<b>186.7</b>	11	2.9	15	<b>VP040</b>			1315
	<b>140</b>	13*	0.9*	20	<b>VP030</b>			752
	<b>140</b>	14	2	20	<b>VP040</b>			1447
	<b>112</b>	15	1	25	<b>VP030</b>			810
	<b>112</b>	17	1.6	25	<b>VP040</b>			1559
	<b>93.3</b>	18*	0.8*	30	<b>VP030</b>			861
	<b>93.3</b>	20	1.7	30	<b>VP040</b>			1657
	<b>70</b>	25	1.2	40	<b>VP040</b>			1824
	<b>70</b>	25	2.3	40	<b>VP040</b>			2503
	<b>56</b>	29	1	50	<b>VP040</b>			1964
	<b>56</b>	30	1.8	50	<b>VP040</b>			2696
	<b>46.7</b>	34*	0.8*	60	<b>VP040</b>			2087
	<b>46.7</b>	34	1.5	60	<b>VP040</b>			2865
	<b>35</b>	42	1.1	80	<b>VP040</b>			3153
	<b>28</b>	48*	0.8*	100	<b>VP040</b>			3397
	<b>7</b>	150	1.4	400			<b>VC030/063</b>	6270
	<b>5.6</b>	175	1.2	500			<b>VC030/063</b>	6270
M1 071 0.25 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	8	4.5	5	<b>VP040</b>			1149
	<b>186.7</b>	11	3.6	7.5	<b>VP040</b>			1315
	<b>140</b>	14	2.8	10	<b>VP040</b>			1447
	<b>93.3</b>	21	1.9	15	<b>VP040</b>			1657
	<b>70</b>	27	1.5	20	<b>VP040</b>			1824
	<b>70</b>	27	2.7	20	<b>VP050</b>			2503
	<b>56</b>	32	1.2	25	<b>VP040</b>			1964
	<b>56</b>	32	2.2	25	<b>VP050</b>			2696
	<b>46.7</b>	36	1.3	30	<b>VP040</b>			2087
	<b>46.7</b>	37	2.3	30	<b>VP050</b>			2865
	<b>35</b>	44*	0.9*	40	<b>VP040</b>			2298
	<b>35</b>	46	1.7	40	<b>VP050</b>			3153
	<b>35</b>	48	3.1	40	<b>VP063</b>			4122
	<b>28</b>	54	1.4	50	<b>VP050</b>			3397
	<b>28</b>	56	2.4	50	<b>VP063</b>			4440
	<b>23.3</b>	60	1.1	60	<b>VP050</b>			3610
	<b>23.3</b>	63	2	60	<b>VP063</b>			4719
	<b>23.3</b>	68	3.2	60	<b>VP075</b>			5569
	<b>19</b>	88	1	73.5		<b>VR071/050</b>		3889
	<b>17.5</b>	72*	0.9*	80	<b>VP050</b>			3973
	<b>17.5</b>	78	1.6	80	<b>VP063</b>			5193
	<b>17.5</b>	82	2.3	80	<b>VP075</b>			6130
	<b>15.9</b>	98	1.1	88.2		<b>VR071/050</b>		4132
	<b>14</b>	87	1.4	100	<b>VP063</b>			5595
	<b>14</b>	94	1.9	100	<b>VP075</b>			6603
	<b>11.9</b>	121*	0.8*	117.6		<b>VR071/050</b>		4548
	<b>11.9</b>	125	1.5	117.6		<b>VR071/063</b>		5945
	<b>9.5</b>	143	1.2	147		<b>VR071/063</b>		6270
	<b>9.5</b>	151	1.7	147		<b>VR071/075</b>		7380
	<b>7.9</b>	163	1	176.4		<b>VR071/063</b>		6270
	<b>7.9</b>	172	1.4	176.4		<b>VR071/075</b>		7380
	<b>7</b>	209	2	200			<b>VC040/075</b>	7380
	<b>7</b>	217	2.8	200			<b>VC040/090</b>	8174
<b>6</b>	192*	0.7*	235.2		<b>VR071/063</b>		6270	
<b>6</b>	201	1.1	235.2		<b>VR071/075</b>		7380	
<b>5.6</b>	250	1.5	250			<b>VC040/075</b>	7380	
<b>5.6</b>	261	2.2	250			<b>VC040/090</b>	8180	
<b>4.8</b>	215*	0.6*	294		<b>VR071/063</b>		6270	
<b>4.8</b>	230*	0.9*	294		<b>VR071/075</b>		7380	
<b>4.7</b>	278	1.6	300			<b>VC040/075</b>	7380	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

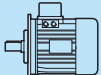
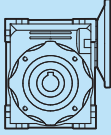
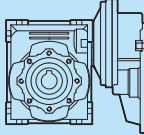
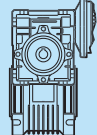
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ ( $\text{min}^{-1}$ )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 071 0.25 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>4.7</b>	291	2.4	300			<b>VC040/090</b>	8180
	<b>3.5</b>	336	1.1	400			<b>VC040/075</b>	7380
	<b>3.5</b>	359	1.7	400			<b>VC040/090</b>	8180
	<b>3.5</b>	386	3.1	400			<b>VC050/110</b>	10320
	<b>2.8</b>	384*	0.8*	500			<b>VC040/075</b>	7380
	<b>2.8</b>	420	1.3	500			<b>VC040/090</b>	8180
	<b>2.8</b>	512	2.3	500			<b>VC050/110</b>	10320
	<b>2.8</b>	460	3.4	500			<b>VC063/130</b>	13500
	<b>2.3</b>	517*	0.9*	600			<b>VC040/075</b>	7380
	<b>2.3</b>	512	1.2	600			<b>VC040/090</b>	8180
	<b>2.3</b>	548	2.3	600			<b>VC050/110</b>	10320
	<b>2.3</b>	571	3.1	600			<b>VC063/130</b>	13500
	<b>1.9</b>	622*	0.7*	750			<b>VC040/075</b>	7380
	<b>1.9</b>	598*	0.9*	750			<b>VC040/090</b>	8180
	<b>1.9</b>	660	1.9	750			<b>VC050/110</b>	10320
	<b>1.9</b>	687	2.6	750			<b>VC063/130</b>	13500
	<b>1.9</b>	666	3.5	750			<b>VC063/150</b>	18000
	<b>1.6</b>	667*	0.8*	900			<b>VC040/090</b>	8180
	<b>1.6</b>	751	1.7	900			<b>VC050/110</b>	10320
	<b>1.6</b>	783	2.2	900			<b>VC063/130</b>	13500
	<b>1.6</b>	840	2.5	900			<b>VC063/150</b>	18000
	<b>1.2</b>	905*	0.8*	1200			<b>VC040/090</b>	8180
	<b>1.2</b>	943	1.3	1200			<b>VC050/110</b>	10320
	<b>1.2</b>	988	1.8	1200			<b>VC063/130</b>	13500
	<b>1.2</b>	1013	2.6	1200			<b>VC063/150</b>	18000
	<b>0.93</b>	1064	1.2	1500			<b>VC050/110</b>	10320
	<b>0.9</b>	1165	1.5	1500			<b>VC063/130</b>	13500
	<b>0.8</b>	1315	1.3	1800			<b>VC063/130</b>	13500
	<b>0.8</b>	1199	1.8	1800			<b>VC063/150</b>	18000
	<b>0.78</b>	1195	1.1	1800			<b>VC050/110</b>	10320
	<b>0.6</b>	1676*	0.7*	2400			<b>VC050/110</b>	10320
	<b>0.6</b>	1624	1	2400			<b>VC063/130</b>	13500
<b>0.6</b>	1446	1.8	2400			<b>VC063/150</b>	18000	
<b>0.5</b>	1713	1.4	3000			<b>VC063/150</b>	18000	
<b>0.47</b>	1935*	0.8*	3000			<b>VC063/130</b>	13500	
<b>0.4</b>	2026*	0.9*	4000			<b>VC063/150</b>	18000	
<b>0.35</b>	2046*	0.6*	4000			<b>VC063/130</b>	13500	
<b>0.3</b>	2251*	0.7*	5000			<b>VC063/150</b>	18000	
<b>0.28</b>	2430*	0.5*	5000			<b>VC063/130</b>	13500	
M1 071 0.25 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>180</b>	12	3.5	5	<b>VP040</b>			1331
	<b>120</b>	17	2.6	7.5	<b>VP040</b>			1524
	<b>90</b>	22	2	10	<b>VP040</b>			1677
	<b>60</b>	31	1.4	15	<b>VP040</b>			1920
	<b>60</b>	32	2.9	15	<b>VP050</b>			2635
	<b>45</b>	40	1.1	20	<b>VP040</b>			2113
	<b>45</b>	40	1.9	20	<b>VP050</b>			2900
	<b>36</b>	48*	0.9*	25	<b>VP040</b>			2276
	<b>36</b>	48	1.5	25	<b>VP050</b>			3124
	<b>36</b>	50	3	25	<b>VP063</b>			4084
	<b>30</b>	53*	0.9*	30	<b>VP040</b>			2419
	<b>30</b>	54	1.7	30	<b>VP050</b>			3320
	<b>30</b>	57	3.1	30	<b>VP063</b>			4339
	<b>22.5</b>	67*	0.7*	40	<b>VP040</b>			2662
	<b>22.5</b>	67	1.2	40	<b>VP050</b>			3654
	<b>22.5</b>	70	2.4	40	<b>VP063</b>			4776
	<b>18</b>	78	1	50	<b>VP050</b>			3936
	<b>18</b>	81	1.8	50	<b>VP063</b>			5145
	<b>18</b>	85	3	50	<b>VP075</b>			6073
	<b>15</b>	88*	0.8*	60	<b>VP050</b>			4183
<b>15</b>	92	1.5	60	<b>VP063</b>			5467	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

Tabella dati tecnici motoriduttori / Table technical data gearmotors


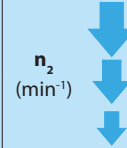
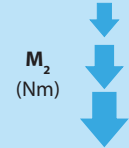
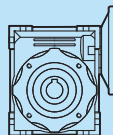
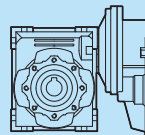
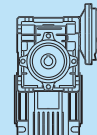
 $P_{n1}$ (kW)	$n_2$ ( $\text{min}^{-1}$ )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 071 0.25 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>15</b>	99	2.5	60	<b>VP075</b>			6453
	<b>11.3</b>	110	1.2	80	<b>VP063</b>			6018
	<b>11.3</b>	117	1.7	80	<b>VP075</b>			7103
	<b>9</b>	125	1	100	<b>VP063</b>			6270
	<b>9</b>	133	1.4	100	<b>VP075</b>			7380
	<b>7.7</b>	181	1.3	117.6		<b>VR071/063</b>		6270
	<b>6.1</b>	211	1	147		<b>VR071/063</b>		6270
	<b>6.1</b>	219	1.5	147		<b>VR071/075</b>		7380
	<b>5.1</b>	248	1.2	176.4		<b>VR071/075</b>		7380
	<b>0.37</b>							
M1 071 0.37 2P.. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	8.3	3.4	7.5	<b>VP040</b>			1044
	<b>280</b>	11	2.6	10	<b>VP040</b>			1149
	<b>186.7</b>	16	1.9	15	<b>VP040</b>			1315
	<b>140</b>	20	1.4	20	<b>VP040</b>			1447
	<b>112</b>	25	1.1	25	<b>VP040</b>			1559
	<b>112</b>	25	2	25	<b>VP050</b>			2140
	<b>93.3</b>	29	1.2	30	<b>VP040</b>			1657
	<b>93.3</b>	29	2.2	30	<b>VP050</b>			2274
	<b>70</b>	37*	0.8*	40	<b>VP040</b>			1824
	<b>70</b>	37	1.6	40	<b>VP050</b>			2503
	<b>70</b>	38	2.9	40	<b>VP063</b>			3272
	<b>56</b>	44	1.2	50	<b>VP050</b>			2696
	<b>56</b>	45	2.3	50	<b>VP063</b>			3524
	<b>56</b>	47	3.5	50	<b>VP075</b>			4160
	<b>46.7</b>	50	1	60	<b>VP050</b>			2865
	<b>46.7</b>	52	1.9	60	<b>VP063</b>			3745
	<b>46.7</b>	55	2.9	60	<b>VP075</b>			4421
	<b>35</b>	62*	0.7*	80	<b>VP050</b>			3153
	<b>35</b>	65	1.4	80	<b>VP063</b>			4122
	<b>35</b>	68	2.1	80	<b>VP075</b>			4865
<b>28</b>	74	1.1	100	<b>VP063</b>			4440	
<b>28</b>	78	1.7	100	<b>VP075</b>			5241	
M1 071 0.37 4P.. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	11	3	5	<b>VP040</b>			1149
	<b>186.7</b>	16	2.4	7.5	<b>VP040</b>			1315
	<b>140</b>	21	1.9	10	<b>VP040</b>			1447
	<b>140</b>	22	3.3	10	<b>VP050</b>			1987
	<b>93.3</b>	31	1.3	15	<b>VP040</b>			1657
	<b>93.3</b>	31	2.4	15	<b>VP050</b>			2274
	<b>70</b>	39	1	20	<b>VP040</b>			1824
	<b>70</b>	40	1.8	20	<b>VP050</b>			2503
	<b>56</b>	47*	0.8*	25	<b>VP040</b>			1964
	<b>56</b>	48	1.5	25	<b>VP050</b>			2696
	<b>56</b>	50	2.7	25	<b>VP063</b>			3524
	<b>46.7</b>	53*	0.8*	30	<b>VP040</b>			2087
	<b>46.7</b>	55	1.5	30	<b>VP050</b>			2865
	<b>46.7</b>	57	2.8	30	<b>VP063</b>			3745
	<b>35</b>	68	1.1	40	<b>VP050</b>			3153
	<b>35</b>	71	2.1	40	<b>VP063</b>			4122
	<b>35</b>	74	3.3	40	<b>VP075</b>			4865
	<b>28</b>	80*	0.9*	50	<b>VP050</b>			3397
	<b>28</b>	83	1.6	50	<b>VP063</b>			4440
	<b>28</b>	88	2.5	50	<b>VP075</b>			5241
<b>23.3</b>	89*	0.8*	60	<b>VP050</b>			3610	
<b>23.3</b>	94	1.4	60	<b>VP063</b>			4719	
<b>23.3</b>	98	2.0	60	<b>VP075</b>			5569	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximum allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$



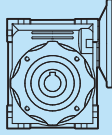
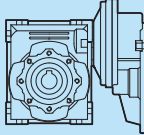
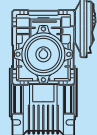
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.37</b>								
M1 071 0.37 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>17.5</b>	115	1.1	80	<b>VP063</b>			5193
	<b>17.5</b>	121	1.6	80	<b>VP075</b>			6130
	<b>14</b>	129*	0.9*	100	<b>VP063</b>			5595
	<b>14.0</b>	139	1.3	100	<b>VP075</b>			6603
	<b>11.9</b>	185	1	117.6		<b>VR071/063</b>		5945
	<b>9.5</b>	212*	0.8*	147		<b>VR071/063</b>		6270
	<b>9.5</b>	223	1.1	147		<b>VR071/075</b>		7380
	<b>7.9</b>	254*	0.9*	176.4		<b>VR071/075</b>		7380
	<b>7</b>	309	1.4	200			<b>VC040/075</b>	7380
	<b>7</b>	322	1.9	200			<b>VC040/090</b>	8174
	<b>7</b>	338	3.4	200			<b>VC050/110</b>	10320
	<b>5.6</b>	370	1	250			<b>VC040/075</b>	7380
	<b>5.6</b>	386	1.5	250			<b>VC040/090</b>	8180
	<b>5.6</b>	412	2.8	250			<b>VC050/110</b>	10320
	<b>4.7</b>	405	1	300			<b>VC040/075</b>	7380
	<b>4.7</b>	402	1.5	300			<b>VC040/090</b>	8180
	<b>4.7</b>	441	2.9	300			<b>VC050/110</b>	10320
	<b>3.5</b>	498*	0.7*	400			<b>VC040/075</b>	7380
	<b>3.5</b>	523	1.2	400			<b>VC040/090</b>	8180
	<b>3.5</b>	571	2.1	400			<b>VC050/110</b>	10320
	<b>3.5</b>	571	2.9	400			<b>VC063/130</b>	13500
	<b>2.8</b>	611*	0.9*	500			<b>VC040/090</b>	8180
	<b>2.8</b>	757	1.5	500			<b>VC050/110</b>	10320
	<b>2.8</b>	681	2.3	500			<b>VC063/130</b>	13500
	<b>2.8</b>	681	3.4	500			<b>VC063/150</b>	18000
	<b>2.3</b>	757*	0.8*	600			<b>VC040/090</b>	8180
	<b>2.3</b>	812	1.6	600			<b>VC050/110</b>	10320
	<b>2.3</b>	844	2.1	600			<b>VC063/130</b>	13500
	<b>2.3</b>	840	3.2	600			<b>VC063/150</b>	18000
	<b>1.9</b>	950	1.3	750			<b>VC050/110</b>	10320
	<b>1.9</b>	1017	1.7	750			<b>VC063/130</b>	13500
	<b>1.9</b>	986	2.4	750			<b>VC063/150</b>	18000
	<b>1.6</b>	1079	1.2	900			<b>VC050/110</b>	10320
	<b>1.6</b>	1158	1.5	900			<b>VC063/130</b>	13500
	<b>1.6</b>	1244	1.7	900			<b>VC063/150</b>	18000
	<b>1.2</b>	1396*	0.8*	1200			<b>VC050/110</b>	10320
	<b>1.2</b>	1462	1.2	1200			<b>VC063/130</b>	13500
	<b>1.2</b>	1499	1.8	1200			<b>VC063/150</b>	18000
	<b>0.9</b>	1623*	0.8*	1500			<b>VC050/110</b>	10320
	<b>0.9</b>	1674	1.1	1500			<b>VC063/130</b>	13500
	<b>0.8</b>	1887*	0.9*	1800			<b>VC063/130</b>	13500
	<b>0.8</b>	1775	1.2	1800			<b>VC063/150</b>	18000
	<b>0.6</b>	2141	1.2	2400			<b>VC063/150</b>	18000
	<b>0.5</b>	2535*	0.9*	3000			<b>VC063/150</b>	18000

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

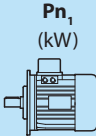
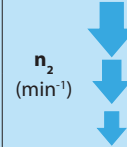
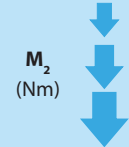
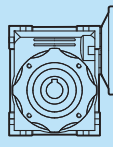
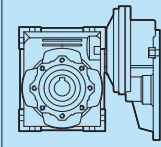
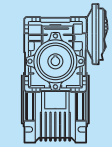
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.37</b>								
M1 080 0.37 6P. (n1 = 900 min <sup>-1</sup> )	180	17	4.3	5	VP050			1827
	120	25	3.3	7.5	VP050			2091
	90	33	2.5	10	VP050			2302
	60	47	1.8	15	VP050			2635
	45	60	1.3	20	VP050			2900
	45	60	2.4	20	VP063			3791
	36	72	1	25	VP050			3124
	36	74	1.9	25	VP063			4084
	36	77	3.1	25	VP075			4820
	30	80	1.1	30	VP050			3320
	30	82	2.1	30	VP063			4339
	30	87	3.3	30	VP075			5122
	22.5	102	1.6	40	VP063			4776
	22.5	108	2.6	40	VP075			5637
	18	120	1.2	50	VP063			5145
	18	126	1.8	50	VP075			6073
	18	136	3.2	50	VP090			6719
	15	137	1	60	VP063			5467
	15	144	1.5	60	VP075			6453
	15	153	2.5	60	VP090			7140
	12	206	1.6	75		VR080/075		6952
	11.3	167*	0.8*	80	VP063			6018
	11.3	173	1.2	80	VP075			7103
	11.3	185	1.7	80	VP090			7859
	11.3	201	2.8	80	VP110			9931
	10	260	1.7	90		VR080/075		7380
	9	196	1	100	VP075			7380
	9	212	1.3	100	VP090			8180
9	232	2.2	100	VP110			10320	
7.5	283	1.3	120		VR080/075		7380	
6	324	1	150		VR080/075		7380	
6	347	1.6	150		VR080/090		8180	
5	389	1.3	180		VR080/090		8180	
3.8	471	1.0	240		VR080/090		8180	
3.8	509	1.6	240		VR080/110		10320	
3	577	1.3	300		VR080/110		10320	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

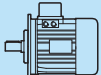
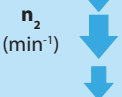
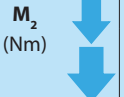
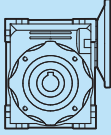
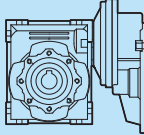
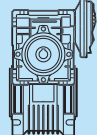
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.55</b>								
M1 071 0.55 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373</b>	12	2.3	7.5	<b>VP040</b>			1044
	<b>280</b>	16	1.8	10	<b>VP040</b>			1149
	<b>280</b>	17	3.2	10	<b>VP050</b>			1577
	<b>187</b>	24	1.3	15	<b>VP040</b>			1315
	<b>186.7</b>	24	2.4	15	<b>VP050</b>			18,5
	<b>140</b>	30	1	20	<b>VP040</b>			1447
	<b>140</b>	31	1.7	20	<b>VP050</b>			1987
	<b>140</b>	32	3.3	20	<b>VP063</b>			2597
	<b>112</b>	37*	0.8*	25	<b>VP040</b>			1559
	<b>112</b>	38	1.4	25	<b>VP050</b>			2140
	<b>112</b>	39	2.5	25	<b>VP063</b>			2797
	<b>93.3</b>	43*	0.8*	30	<b>VP040</b>			1657
	<b>93.3</b>	43	1.5	30	<b>VP050</b>			2274
	<b>93.3</b>	44	2.7	30	<b>VP063</b>			2973
	<b>70</b>	55	1.1	40	<b>VP050</b>			2503
	<b>70</b>	56	1.9	40	<b>VP063</b>			3272
	<b>70</b>	59	3.1	40	<b>VP075</b>			3862
	<b>56</b>	65*	0.8*	50	<b>VP050</b>			2696
	<b>56</b>	68	1.5	50	<b>VP063</b>			3524
	<b>56</b>	70	2.3	50	<b>VP075</b>			4160
	<b>46.7</b>	74*	0.7*	60	<b>VP050</b>			2865
	<b>46.7</b>	78	1.2	60	<b>VP063</b>			3745
	<b>46.7</b>	81	2	60	<b>VP075</b>			4421
	<b>35</b>	96*	0.9*	80	<b>VP063</b>			4122
<b>35</b>	99	1.3	80	<b>VP075</b>			4865	
<b>28</b>	111*	0.7*	100	<b>VP063</b>			4440	
<b>28</b>	116	1	100	<b>VP075</b>			5241	
M1 080 0.55 4P. (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	17	3.7	5	<b>VP050</b>			1577
	<b>186.7</b>	25	2.9	7.5	<b>VP050</b>			1805
	<b>140</b>	32	2.2	10	<b>VP050</b>			1987
	<b>93.3</b>	46	1.6	15	<b>VP050</b>			2274
	<b>93.3</b>	47	3.2	15	<b>VP063</b>			2973
	<b>70</b>	59	1.2	20	<b>VP050</b>			2503
	<b>70</b>	61	2.2	20	<b>VP063</b>			3272
	<b>56</b>	71	1	25	<b>VP050</b>			2696
	<b>56</b>	73	1.8	25	<b>VP063</b>			3524
	<b>56</b>	76	2.8	25	<b>VP075</b>			4160
	<b>46.7</b>	81	1	30	<b>VP050</b>			2865
	<b>46.7</b>	83	1.9	30	<b>VP063</b>			3745
	<b>46.7</b>	87	2.9	30	<b>VP075</b>			4421
	<b>35</b>	97	0.8*	40	<b>VP050</b>			3153
	<b>35</b>	105	1.4	40	<b>VP063</b>			4122
	<b>35</b>	108	2	40	<b>VP075</b>			4865
	<b>35</b>	114	3.5	40	<b>VP090</b>			5383
	<b>28</b>	124	1.1	50	<b>VP063</b>			4440
	<b>28</b>	129	1.6	50	<b>VP075</b>			5241
	<b>28</b>	137	2.7	50	<b>VP090</b>			5799
	<b>23.3</b>	140*	0.9*	60	<b>VP063</b>			4719
	<b>23.3</b>	146	1.4	60	<b>VP075</b>			5569
	<b>23.3</b>	158	2.2	60	<b>VP090</b>			6163
	<b>18.7</b>	205	1.2	75		<b>VR080/075</b>		6000
	<b>17.5</b>	180	1.1	80	<b>VP075</b>			6130
	<b>17.5</b>	189	1.5	80	<b>VP090</b>			6783
	<b>17.5</b>	201	2.6	80	<b>VP110</b>			8571
	<b>15.6</b>	230	1.3	90		<b>VR080/075</b>		6375
	<b>14</b>	206*	0.9*	100	<b>VP075</b>			6603
	<b>14</b>	221	1.2	100	<b>VP090</b>			7306
	<b>14</b>	236	2	100	<b>VP110</b>			9232
	<b>14</b>	268	2.4	100			<b>VC050/110</b>	10320

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

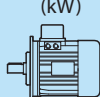
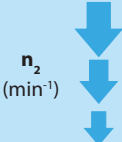

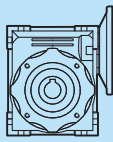
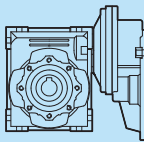
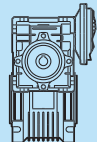
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.55</b>								
M1 080 0.55 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>11.7</b>	284	1	120		<b>VR080/075</b>		7017
	<b>11.7</b>	297	1.6	120		<b>VR080/090</b>		7764
	<b>9.3</b>	332*	0.8*	150		<b>VR080/075</b>		7380
	<b>9.3</b>	355	1.3	150		<b>VR080/090</b>		8180
	<b>9.3</b>	387	2.4	150			<b>VC050/110</b>	10320
	<b>7.8</b>	398	1	180		<b>VR080/090</b>		8180
	<b>7</b>	503	2.3	200			<b>VC050/110</b>	10320
	<b>5.8</b>	513	1.3	240		<b>VR080/110</b>		10320
	<b>5.6</b>	612	1.9	250			<b>VC050/110</b>	10320
	<b>5.6</b>	612	2.5	250			<b>VC063/130</b>	13500
	<b>4.7</b>	597	1	300		<b>VR080/110</b>		10320
	<b>4.7</b>	639	2	300			<b>VC050/110</b>	10320
	<b>4.7</b>	666	2.6	300			<b>VC063/130</b>	13500
	<b>3.5</b>	826	1.4	400			<b>VC050/110</b>	10320
	<b>3.5</b>	849	1.9	400			<b>VC063/130</b>	13500
	<b>2.8</b>	984	1.1	500			<b>VC050/110</b>	10320
	<b>2.8</b>	996	1.6	500			<b>VC063/130</b>	13500
	<b>2.3</b>	1181	1	600			<b>VC050/110</b>	10320
	<b>1.9</b>	1411*	0.9*	750			<b>VC050/110</b>	10320
	<b>1.9</b>	1471	1.2	750			<b>VC063/130</b>	13500
<b>1.6</b>	1651*	0.8*	900			<b>VC050/110</b>	10320	
<b>1.2</b>	2132*	0.8*	1200			<b>VC063/130</b>	13500	
<b>0.8</b>	2638*	0.8*	1800			<b>VC063/150</b>	18000	
<b>0.6</b>	3182*	0.8*	2400			<b>VC063/150</b>	18000	
M1 080 0.55 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	38	2.2	7.5	<b>VP050</b>			2091
	<b>90</b>	49	1.7	10	<b>VP050</b>			2302
	<b>90</b>	50	3.1	10	<b>VP063</b>			3009
	<b>60</b>	69	1.2	15	<b>VP050</b>			2635
	<b>60</b>	71	2.2	15	<b>VP063</b>			3444
	<b>45</b>	89*	0.9*	20	<b>VP050</b>			2900
	<b>45</b>	90	1.6	20	<b>VP063</b>			3791
	<b>45</b>	93	2.9	20	<b>VP075</b>			4474
	<b>36</b>	109	1.3	25	<b>VP063</b>			4084
	<b>36</b>	124	2.1	25	<b>VP075</b>			4820
	<b>36</b>	117	3.5	25	<b>VP090</b>			5333
	<b>30</b>	123	1.4	30	<b>VP063</b>			4339
	<b>30</b>	128	2	30	<b>VP075</b>			5122
	<b>22.5</b>	152	1.1	40	<b>VP063</b>			4776
	<b>22.5</b>	159	1.5	40	<b>VP075</b>			5637
	<b>22.5</b>	168	2.7	40	<b>VP090</b>			6238
	<b>18</b>	181*	0.9*	50	<b>VP063</b>			5145
	<b>18</b>	187	1.2	50	<b>VP075</b>			6073
	<b>18</b>	198	2	50	<b>VP090</b>			6719
	<b>15</b>	207*	0.7*	60	<b>VP063</b>			5467
	<b>15</b>	214	1	60	<b>VP075</b>			6453
	<b>15</b>	224	1.6	60	<b>VP090</b>			7140
	<b>15</b>	242	2.8	60	<b>VP110</b>			9023
	<b>12</b>	306	1.1	75			<b>VR080/075</b>	6952
	<b>11.3</b>	262*	0.8*	80	<b>VP075</b>			7103
	<b>11.3</b>	275	1.1	80	<b>VP090</b>			7859
	<b>11.3</b>	294	1.9	80	<b>VP110</b>			9931
	<b>10</b>	341	1.1	90			<b>VR080/075</b>	7380
	<b>9</b>	315*	0.9*	100	<b>VP090</b>			8180
	<b>9</b>	338	1.5	100	<b>VP110</b>			10320
<b>7.5</b>	441	1.4	120			<b>VR080/090</b>	8180	
<b>6</b>	516	1.1	150			<b>VR080/090</b>	8180	
<b>5</b>	578*	0.9*	180			<b>VR080/090</b>	8180	
<b>3.8</b>	756	1.1	240			<b>VR080/110</b>	10320	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.75</b>								
M2 080 0.75 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	17	3	7.5	<b>VP050</b>			1433
	<b>280</b>	22	2.4	10	<b>VP050</b>			1577
	<b>186.7</b>	31	1.7	15	<b>VP050</b>			1805
	<b>186.7</b>	33	3.3	15	<b>VP063</b>			2359
	<b>140</b>	41	1.3	20	<b>VP050</b>			1987
	<b>140</b>	43	2.3	20	<b>VP063</b>			2597
	<b>112</b>	49	1	25	<b>VP050</b>			2140
	<b>112</b>	52	1.8	25	<b>VP063</b>			2797
	<b>112</b>	54	2.9	25	<b>VP075</b>			3302
	<b>93.3</b>	56	1.1	30	<b>VP050</b>			2274
	<b>93.3</b>	60	2	30	<b>VP063</b>			2973
	<b>93.3</b>	62	3	30	<b>VP075</b>			3509
	<b>70</b>	73	0.8*	40	<b>VP050</b>			2503
	<b>70</b>	77	1.4	40	<b>VP063</b>			3272
	<b>70</b>	80	2.3	40	<b>VP075</b>			3862
	<b>70</b>	82	3.4	40	<b>VP090</b>			4273
	<b>56</b>	92	1.1	50	<b>VP063</b>			3524
	<b>56</b>	96	1.7	50	<b>VP075</b>			4160
	<b>56</b>	99	2.7	50	<b>VP090</b>			4603
	<b>46.7</b>	106*	0.9*	60	<b>VP063</b>			3745
	<b>46.7</b>	107	1.3	60	<b>VP075</b>			4421
	<b>46.7</b>	115	2.1	60	<b>VP090</b>			4891
	<b>35</b>	135	1	80	<b>VP075</b>			4865
	<b>35</b>	143	1.6	80	<b>VP090</b>			5383
	<b>35</b>	152	2.6	80	<b>VP110</b>			6803
	<b>28</b>	159*	0.8*	100	<b>VP075</b>			5241
	<b>28</b>	169	1.2	100	<b>VP090</b>			5799
	<b>28</b>	179	2.1	100	<b>VP110</b>			7328
	<b>9.3</b>	424	2.8	300			<b>VC050/110</b>	10320
	<b>7</b>	553	2.1	400			<b>VC050/110</b>	10320
<b>5.6</b>	640	1.6	500			<b>VC050/110</b>	10320	
M2 080 0.75 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	23	2.7	5	<b>VP050</b>			1577
	<b>186.7</b>	34	2.1	7.5	<b>VP050</b>			1805
	<b>140</b>	44	1.6	10	<b>VP050</b>			1987
	<b>140</b>	45	3	10	<b>VP063</b>			2567
	<b>93.3</b>	63	1.2	15	<b>VP050</b>			2274
	<b>93.3</b>	64	2.2	15	<b>VP063</b>			2973
	<b>93</b>	66	3.5	15	<b>VP075</b>			3509
	<b>70</b>	81*	0.9*	20	<b>VP050</b>			2503
	<b>70</b>	83	1.6	20	<b>VP063</b>			3272
	<b>70</b>	85	2.8	20	<b>VP075</b>			3862
	<b>56</b>	99*	0.7*	25	<b>VP050</b>			2696
	<b>56</b>	100	1.3	25	<b>VP063</b>			3524
	<b>56</b>	102	2	25	<b>VP075</b>			4160
	<b>46.7</b>	112*	0.8*	30	<b>VP050</b>			2865
	<b>46.7</b>	114	1.4	30	<b>VP063</b>			3745
	<b>46.7</b>	117	2	30	<b>VP075</b>			4421
	<b>35</b>	97	0.8*	40	<b>VP050</b>			2298
	<b>35</b>	143	1	40	<b>VP063</b>			4122
	<b>35</b>	147	1.5	40	<b>VP075</b>			4865
	<b>35.0</b>	156	3	40	<b>VP090</b>			5383
	<b>28</b>	171*	0.8*	50	<b>VP063</b>			4440
	<b>28</b>	177	1.2	50	<b>VP075</b>			5241
	<b>28</b>	184	1.8	50	<b>VP090</b>			5800
	<b>28</b>	194	3.4	50	<b>VP110</b>			7328
	<b>23.3</b>	200	1	60	<b>VP075</b>			5569
	<b>23.3</b>	212	1.5	60	<b>VP090</b>			6163
	<b>23.3</b>	227	2.7	60	<b>VP110</b>			7787
	<b>18.7</b>	280*	0.9*	75			<b>VR080/075</b>	6000
	<b>17.5</b>	258	1.1	80	<b>VP090</b>			6783
	<b>17.5</b>	274	1.9	80	<b>VP110</b>			8571
<b>17.5</b>	250	80	80	<b>VP075</b>			6130	
<b>15.6</b>	313	1	90			<b>VR080/075</b>	6375	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximum allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$



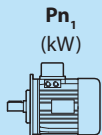
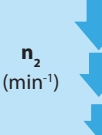
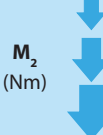
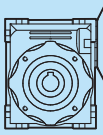
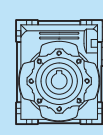
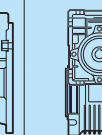
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm) 	$f_s$	$i$		$FR_2$ (N)	
<b>0.75</b>							
M2 080 0.75 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>14</b>	302*	0.9*	100	<b>VP090</b> <b>VP110</b>  <b>VR080/090</b> <b>VR080/090</b>  <b>VR080/090</b>  <b>VR080/110</b>	<b>VC050/110</b>	7306
	<b>14</b>	322	1.5	100		9232	
	<b>14</b>	365	1.8	100		8198	
	<b>11.7</b>	405	1.2	120		7764	
	<b>9.3</b>	483*	0.9*	150		8180	
	<b>9.3</b>	527	1.8	150		9384	
	<b>7.8</b>	543*	0.7*	180		8180	
	<b>7</b>	685	1.7	200		10320	
	<b>5.8</b>	700*	0.9*	240		10320	
	<b>5.6</b>	835	1.4	250		10320	
	<b>5.6</b>	835	1.8	250		13500	
	<b>5.6</b>	835	2.5	250		18000	
	<b>4.7</b>	871	1.5	300		10320	
	<b>4.7</b>	908	1.9	300		13500	
	<b>4.7</b>	993	2.3	300		18000	
	<b>3.5</b>	1126	1.1	400		10320	
	<b>3.5</b>	1157	1.4	400		13500	
	<b>3.5</b>	1175	2.3	400		18000	
	<b>2.8</b>	1535*	0.8*	500		10320	
	<b>2.8</b>	1358	1.1	500		13500	
	<b>2.8</b>	1291	1.8	500		18000	
	<b>2.3</b>	1645*	0.8*	600		10320	
	<b>2.3</b>	1631	1	600		13500	
	<b>2.3</b>	1529	1.7	600		18000	
	<b>1.9</b>	2005*	0.9*	750		13500	
	<b>1.9</b>	1783	1.3	750		18000	
<b>1.6</b>	2283*	0.8*	900	13500			
<b>1.6</b>	2215*	0.9*	900	18000			
<b>1.2</b>	2680	1	1200	18000			
M2 090 0.75 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	52	2.9	7.5	<b>VP063</b> <b>VP063</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP063</b> <b>VP075</b> <b>VP090</b> <b>VP063</b> <b>VP110</b> <b>VP075</b> <b>VP090</b> <b>VP110</b>  <b>VP110</b> <b>VP130</b>  <b>VP110</b> <b>VP130</b>		2734
	<b>90</b>	68	2.3	10		3009	
	<b>60</b>	97	1.6	15		3444	
	<b>60</b>	98	2.4	15		4065	
	<b>45</b>	123	1.2	20		3791	
	<b>45</b>	126	1.9	20		4474	
	<b>36</b>	149*	0.9*	25		4084	
	<b>36</b>	153	1.4	25		4820	
	<b>30</b>	167	1	30		4339	
	<b>30</b>	174	1.5	30		5122	
	<b>30</b>	179	2.6	30		5667	
	<b>22.5</b>	210*	0.8*	40		4776	
	<b>22.5</b>	216	1.1	40		5637	
	<b>22.5</b>	226	1.8	40		6238	
	<b>22.5</b>	239	3.3	40		9931	
	<b>18</b>	255	1	50		6073	
	<b>18</b>	271	1.4	50		6719	
	<b>18</b>	287	2.6	50		10320	
	<b>15</b>	296*	0.8*	60		6453	
	<b>15</b>	306	1.1	60		7140	
	<b>15</b>	325	2.1	60		9023	
	<b>12.2</b>	393	3.2	73.5		9614	
	<b>11.3</b>	401	1.4	80		9931	
	<b>11.3</b>	407	2.1	80		12989	
	<b>9.2</b>	508	2.3	98		10320	
	<b>9</b>	462	1.1	100		10320	
	<b>9</b>	470	1.7	100		13500	
<b>7.3</b>	607	1.8	122.5	10320			
<b>6.1</b>	682	1.5	147	10320			
<b>4.6</b>	832	1.0	196	10320			
<b>3.7</b>	944	1.2	245	13500			

\* **NOTA:** la coppia massima utilizzabile  $M_{m_2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m_2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m_2}$  must be calculated using service factor  $f_s$ :  $M_{m_2} = M_2 \times f_s$

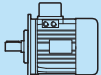
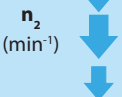
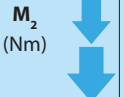
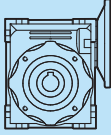
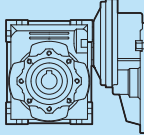
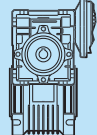
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>1.10</b>								
M2 080 1.10 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	25	2.1	7.5	<b>VP050</b>			1433
	<b>280</b>	33	1.7	10	<b>VP050</b>			1577
	<b>280</b>	33	3	10	<b>VP063</b>			2061
	<b>186.7</b>	48	1.2	15	<b>VP050</b>			1805
	<b>186.7</b>	46	2.1	15	<b>VP063</b>			2359
	<b>186.7</b>	50	3.3	15	<b>VP075</b>			2785
	<b>140</b>	62*	0.9*	20	<b>VP050</b>			1987
	<b>140</b>	60	1.6	20	<b>VP063</b>			2597
	<b>140</b>	65	2.7	20	<b>VP075</b>			3065
	<b>112</b>	72	1.2	25	<b>VP063</b>			2797
	<b>112</b>	77	2	25	<b>VP075</b>			3302
	<b>112</b>	81	3.1	25	<b>VP090</b>			3653
	<b>93.3</b>	87*	0.7*	30	<b>VP050</b>			2274
	<b>93.3</b>	82	1.4	30	<b>VP063</b>			2973
	<b>93.3</b>	89	1.9	30	<b>VP075</b>			3509
	<b>93.3</b>	93	3.3	30	<b>VP090</b>			3882
	<b>70</b>	104	1	40	<b>VP063</b>			3272
	<b>70</b>	114	1.4	40	<b>VP075</b>			3862
	<b>70</b>	120	2.3	40	<b>VP090</b>			4273
	<b>56</b>	137	1.1	50	<b>VP075</b>			4160
	<b>56</b>	145	1.8	50	<b>VP090</b>			4603
	<b>56</b>	150	3.3	50	<b>VP110</b>			5816
	<b>46.7</b>	158*	0.9*	60	<b>VP075</b>			4421
	<b>46.7</b>	169	1.5	60	<b>VP090</b>			4891
	<b>46.7</b>	176	2.7	60	<b>VP110</b>			6181
	<b>35</b>	201*	0.7*	80	<b>VP075</b>			4865
	<b>35</b>	210	1.1	80	<b>VP090</b>			5383
	<b>35</b>	222	1.8	80	<b>VP110</b>			6803
<b>28</b>	248*	0.8*	100	<b>VP090</b>			5799	
<b>28</b>	263	1.4	100	<b>VP110</b>			7328	
M2 090 1.10 6P. (n1 = 900 min <sup>-1</sup> )	<b>120</b>	76	2	7.5	<b>VP063</b>			2734
	<b>120</b>	77	2.8	7.5	<b>VP075</b>			3227
	<b>90</b>	99	1.5	10	<b>VP063</b>			3009
	<b>90</b>	100	2.3	10	<b>VP075</b>			3551
	<b>60</b>	142	1.1	15	<b>VP063</b>			3444
	<b>60</b>	144	1.6	15	<b>VP075</b>			4065
	<b>60</b>	149	3.1	15	<b>VP090</b>			4498
	<b>45</b>	180*	0.8*	20	<b>VP063</b>			3791
	<b>45</b>	184	1.3	20	<b>VP075</b>			4474
	<b>45</b>	195	2.2	20	<b>VP090</b>			4951
	<b>36</b>	225	1	25	<b>VP075</b>			4820
	<b>36</b>	231	1.6	25	<b>VP090</b>			5333
	<b>36</b>	239	3.2	25	<b>VP110</b>			6739
	<b>30</b>	256	1	30	<b>VP075</b>			5122
	<b>30</b>	263	1.8	30	<b>VP090</b>			5667
	<b>30</b>	270	3.1	30	<b>VP110</b>			7161
	<b>22.5</b>	322*	0.9*	40	<b>VP075</b>			5637
	<b>22.5</b>	331	1.2	40	<b>VP090</b>			6238
	<b>22.5</b>	345	2.3	40	<b>VP110</b>			7882
	<b>18</b>	397	1	50	<b>VP090</b>			6719
	<b>18</b>	414	1.8	50	<b>VP110</b>			8491
	<b>15</b>	448*	0.8*	60	<b>VP090</b>			7140
	<b>15</b>	476	1.4	60	<b>VP110</b>			9023
	<b>12.2</b>	576	2.2	73.5		<b>VR090/110</b>		9614
	<b>11.3</b>	588	1	80	<b>VP110</b>			9931
	<b>11.3</b>	598	1.4	80	<b>VP130</b>			12989
	<b>9.2</b>	746	1.6	98		<b>VR090/110</b>		10320

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximum allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

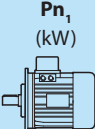
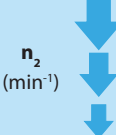
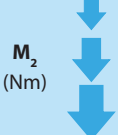
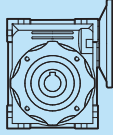
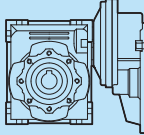
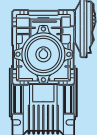
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.10</b>								
M2 090 1.10 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	9	686	1.1	100	VP130			13500
	7.3	890	1.2	122.5		VR090/110		10320
	6.1	1000	1	147		VR090/110		10320
	186.7	50	2.6	7.5	VP063			2359
	140	65	2	10	VP063			2597
	140	66	3	10	VP075			3065
	93.3	93	1.5	15	VP063			2973
	93.3	96	2.1	15	VP075			3509
	70	122	1.1	20	VP063			3272
	70	123	1.7	20	VP075			3862
	70	128	3.1	20	VP090			4273
	56	146*	0.9*	25	VP063			3524
	56	150	1.3	25	VP075			4160
	56	156	2.4	25	VP090			4603
	46.7	167	1	30	VP063			3745
	46.7	171	1.3	30	VP075			4421
	46.7	178	2.4	30	VP090			4891
	35	216	1	40	VP075			4865
	35	225	1.6	40	VP090			5383
	35	237	3	40	VP110			6803
	28	263*	0.9*	50	VP075			5241
	28	270	1.3	50	VP090			5799
	28	281	2.3	50	VP110			7328
	23.3	297*	0.7*	60	VP075			5569
	23.3	311	1	60	VP090			6163
	23.3	324	1.9	60	VP110			7787
	19	392	2.5	73.5		VR090/110		8298
	17.5	384	1	80	VP090			6783
	17.5	402	1.3	80	VP110			8571
	17.5	408	2.1	80	VP130			11210
	14.3	508	1.8	98		VR090/110		9133
	14	473	1	100	VP110			9232
	14	480	1.5	100	VP130			12076
	11.4	599	1.5	122.5		VR090/110		9838
	9.5	686	1.1	147		VR090/110		10320
	7.1	828*	0.8*	196		VR090/110		10320
	5.7	962*	0.9*	245		VR090/130		13500
	5.6	1224	1.2	250			VC063/130	13500
	5.6	1175	1.7	250			VC063/150	18000
	4.7	1312	1.3	300			VC063/130	13500
4.7	1364	1.7	300			VC063/150	18000	
3.5	1671	1	400			VC063/130	13500	
3.5	1619	1.6	400			VC063/150	18000	
2.8	1991*	0.8*	500			VC063/130	13500	
2.8	1893	1.2	500			VC063/150	18000	
2.3	2510*	0.7*	600			VC063/130	13500	
2.3	2242	1.2	600			VC063/150	18000	
1.9	2616*	0.9*	750			VC063/150	18000	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

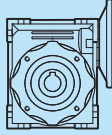
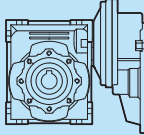
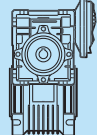
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.50</b>								
M2 100 1.50 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	105	2	7.5	<b>VP075</b>			3227
	<b>90</b>	137	1.7	10	<b>VP075</b>			3551
	<b>90</b>	138	2.7	10	<b>VP090</b>			3929
	<b>60</b>	196	1.2	15	<b>VP075</b>			4065
	<b>60</b>	201	2.1	15	<b>VP090</b>			4498
	<b>45</b>	255	1.1	20	<b>VP075</b>			4474
	<b>45</b>	258	1.5	20	<b>VP090</b>			4951
	<b>45</b>	264	2.7	20	<b>VP110</b>			6256
	<b>36</b>	311*	0.8*	25	<b>VP075</b>			4820
	<b>36</b>	314	1.2	25	<b>VP090</b>			5333
	<b>36</b>	322	2.4	25	<b>VP110</b>			6739
	<b>36</b>	330	3.2	25	<b>VP130</b>			8814
	<b>30</b>	354*	0.8*	30	<b>VP075</b>			5122
	<b>30</b>	358	1.3	30	<b>VP090</b>			5667
	<b>30</b>	363	2.3	30	<b>VP110</b>			7161
	<b>30</b>	377	3.1	30	<b>VP130</b>			9366
	<b>22.5</b>	459	1	40	<b>VP090</b>			6238
	<b>22.5</b>	471	1.7	40	<b>VP110</b>			7882
	<b>22.5</b>	478	2.3	40	<b>VP130</b>			10309
	<b>18</b>	565	1.3	50	<b>VP110</b>			8491
<b>18</b>	573	1.8	50	<b>VP130</b>			11105	
<b>18</b>	589	2.7	50	<b>VP150</b>			15182	
<b>15</b>	649	1.1	60	<b>VP110</b>			9023	
<b>15</b>	659	1.4	60	<b>VP130</b>			11801	
<b>15</b>	678	2.1	60	<b>VP150</b>			16133	
<b>11.3</b>	815	1.1	80	<b>VP130</b>			12989	
<b>11.3</b>	841	1.5	80	<b>VP150</b>			17757	
<b>9</b>	955*	0.8*	100	<b>VP130</b>			13500	
<b>9</b>	971	1.2	100	<b>VP150</b>			18000	
M2 090 1.50 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	68	1.9	7.5	<b>VP063</b>			2359
	<b>186.7</b>	68	2.7	7.5	<b>VP075</b>			2785
	<b>140</b>	89	1.5	10	<b>VP063</b>			2597
	<b>140</b>	90	2.2	10	<b>VP075</b>			3065
	<b>93.3</b>	127	1.1	15	<b>VP063</b>			2973
	<b>93.3</b>	130	1.5	15	<b>VP075</b>			3509
	<b>93.3</b>	134	3	15	<b>VP090</b>			3882
	<b>70</b>	166*	0.8*	20	<b>VP063</b>			3272
	<b>70</b>	168	1.3	20	<b>VP075</b>			3862
	<b>70</b>	172	2.1	20	<b>VP090</b>			4273
	<b>56</b>	205	1	25	<b>VP075</b>			4160
	<b>56</b>	210	1.6	25	<b>VP090</b>			4603
	<b>56</b>	218	3.1	25	<b>VP110</b>			5816
	<b>46.7</b>	233	1	30	<b>VP075</b>			4421
	<b>46.7</b>	239	1.7	30	<b>VP090</b>			4891
	<b>46.7</b>	246	3	30	<b>VP110</b>			6181
	<b>35</b>	299*	0.8*	40	<b>VP075</b>			4865
	<b>35</b>	307	1.2	40	<b>VP090</b>			5383
	<b>35</b>	319	2.2	40	<b>VP110</b>			6803
	<b>28</b>	368*	0.9*	50	<b>VP090</b>			5799
	<b>28</b>	384	1.7	50	<b>VP110</b>			7328
	<b>23.3</b>	424*	0.8*	60	<b>VP090</b>			6163
	<b>23.3</b>	442	1.4	60	<b>VP110</b>			7787
	<b>19</b>	535	1.9	73.5		<b>VR090/110</b>		8298
	<b>17.5</b>	548*	0.9*	80	<b>VP110</b>			8571
	<b>17.5</b>	557	1.5	80	<b>VP130</b>			11210
	<b>14.3</b>	693	1.3	98		<b>VR090/110</b>		9133
	<b>14</b>	655	1.1	100	<b>VP130</b>			12076
	<b>11.4</b>	817	1.1	122.5		<b>VR090/110</b>		9838
	<b>9.5</b>	936*	0.8*	147		<b>VR090/110</b>		10320
<b>7.1</b>	1149*	0.8*	196		<b>VR090/130</b>		13500	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

Tabella dati tecnici motoriduttori / Table technical data gearmotors

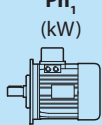
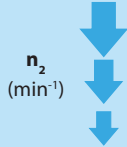

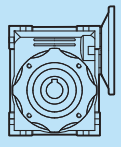
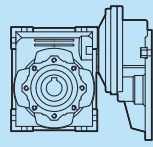
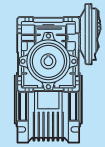
$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.50</b>								
M2 090 1.50 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>5.7</b>	962*	0.9*	245		<b>VR090/130</b>		13500
	<b>5.6</b>	1669*	0.9*	250			<b>VC063/130</b>	13500
	<b>5.6</b>	1602	1.3	250			<b>VC063/150</b>	18000
	<b>4.7</b>	1789	1	300			<b>VC063/130</b>	13500
	<b>4.7</b>	1860	1.3	300			<b>VC063/150</b>	18000
	<b>3.5</b>	2279*	0.7*	400			<b>VC063/130</b>	13500
	<b>3.5</b>	2208	1.2	400			<b>VC063/150</b>	18000
	<b>2.8</b>	2582*	0.9*	500			<b>VC063/150</b>	18000
	<b>2.3</b>	3057*	0.9*	600			<b>VC063/150</b>	18000
	M2 090 1.50 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373</b>	35	2.7	7.5		<b>VP063</b>	
<b>280</b>		45	2.2	10	<b>VP063</b>			2061
<b>280</b>		45	3.2	10	<b>VP075</b>			2433
<b>186.7</b>		66	1.6	15	<b>VP063</b>			2359
<b>186.7</b>		66	2.3	15	<b>VP075</b>			2785
<b>140</b>		86	1.2	20	<b>VP063</b>			2597
<b>140</b>		86	1.9	20	<b>VP075</b>			3065
<b>140</b>		90	2.9	20	<b>VP090</b>			3391
<b>112</b>		105*	0.9*	25	<b>VP063</b>			2797
<b>112</b>		105	1.4	25	<b>VP075</b>			3302
<b>112</b>		110	2.3	25	<b>VP090</b>			3653
<b>93.3</b>		120	1	30	<b>VP063</b>			2973
<b>93.3</b>		121	1.4	30	<b>VP075</b>			3509
<b>93.3</b>		127	2.4	30	<b>VP090</b>			3882
<b>70</b>		156*	0.7*	40	<b>VP063</b>			3272
<b>70</b>		156	1.1	40	<b>VP075</b>			3862
<b>70</b>		164	1.7	40	<b>VP090</b>			4273
<b>70</b>		170	3.1	40	<b>VP110</b>			5399
<b>56</b>		187	1.3	50	<b>VP075</b>			4160
<b>56</b>		197	1.3	50	<b>VP090</b>			4603
<b>56</b>		205	2.4	50	<b>VP110</b>			5816
<b>46.7</b>		215	1.1	60	<b>VP075</b>			4421
<b>46.7</b>		227	1.1	60	<b>VP090</b>			4891
<b>46.7</b>		236	2	60	<b>VP110</b>			6181
<b>35</b>		287*	0.8*	80	<b>VP090</b>			5383
<b>35</b>		299	1.3	80	<b>VP110</b>			6803
<b>28</b>		358	1	100	<b>VP110</b>			7328
<b>9.3</b>		878	1.9	300			<b>VC063/130</b>	13500
<b>7</b>		1105	1.4	400			<b>VC063/130</b>	13500
<b>5.6</b>		1305	1.1	500			<b>VC063/130</b>	13500
<b>2.20</b>								
M2 100 2.20 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	100	1.8	7.5	<b>VP075</b>			2785
	<b>186.7</b>	101	2.9	7.5	<b>VP090</b>			3081
	<b>140</b>	132	1.5	10	<b>VP075</b>			3065
	<b>140</b>	134	2.3	10	<b>VP090</b>			3391
	<b>93.3</b>	191	1	15	<b>VP075</b>			3509
	<b>93.3</b>	194	1.9	15	<b>VP090</b>			3882
	<b>93.3</b>	196	3.3	15	<b>VP110</b>			4905
	<b>70</b>	249*	0.9*	20	<b>VP075</b>			3862
	<b>70.00</b>	252	1.4	20	<b>VP090</b>			4273
	<b>70</b>	255	2.5	20	<b>VP110</b>			5399
	<b>56</b>	304*	0.7*	25	<b>VP075</b>			4160
	<b>56.00</b>	308	1.1	25	<b>VP090</b>			4603
	<b>56</b>	315	2.2	25	<b>VP110</b>			5816
	<b>56</b>	319	2.9	25	<b>VP130</b>			7607
	<b>46.7</b>	347*	0.7*	30	<b>VP075</b>			4421
	<b>46.70</b>	351	1.2	30	<b>VP090</b>			4891
	<b>46.7</b>	356	2	30	<b>VP110</b>			6181

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$



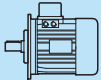
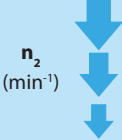

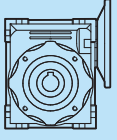
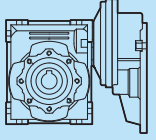
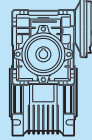
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>2.20</b>								
M2 100 2.20 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>46.7</b>	365	2.9	30	<b>VP130</b>			8084
	<b>35</b>	468	1.5	40	<b>VP110</b>			6803
	<b>35</b>	468	2.2	40	<b>VP130</b>			8897
	<b>30.00</b>	456*	0.9*	40	<b>VP090</b>			5383
	<b>28</b>	563	1.2	50	<b>VP110</b>			7328
	<b>28</b>	563	1.7	50	<b>VP130</b>			9584
	<b>28</b>	570	2.5	50	<b>VP150</b>			13103
	<b>23.3</b>	648	1.0	60	<b>VP110</b>			7787
	<b>23.3</b>	648	1.4	60	<b>VP130</b>			10185
	<b>23.3</b>	657	1.9	60	<b>VP150</b>			13924
	<b>17.5</b>	816	1	80	<b>VP130</b>			11210
	<b>17.5</b>	816	1.4	80	<b>VP150</b>			15325
	<b>14.0</b>	976	1	100	<b>VP130</b>			12076
	<b>14</b>	960	1	100	<b>VP150</b>			16508
M2 112 2.20 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	154	1.4	7.5	<b>VP075</b>			3227
	<b>120</b>	156	2.2	7.5	<b>VP090</b>			3570
	<b>90</b>	201	1.1	10	<b>VP075</b>			3551
	<b>90</b>	203	1.8	10	<b>VP090</b>			3929
	<b>90</b>	205	3.5	10	<b>VP110</b>			4965
	<b>60</b>	291*	0.9*	15	<b>VP075</b>			4065
	<b>60</b>	294	1.4	15	<b>VP090</b>			4498
	<b>60</b>	298	2.6	15	<b>VP110</b>			5684
	<b>45</b>	374*	0.7*	20	<b>VP075</b>			4474
	<b>45</b>	532*	0.9*	30	<b>VP090</b>			5667
	<b>45</b>	378	1	20	<b>VP090</b>			4951
	<b>45</b>	388	1.9	20	<b>VP110</b>			6256
	<b>36</b>	467*	0.9*	25	<b>VP090</b>			5333
	<b>36</b>	473	1.6	25	<b>VP110</b>			6739
	<b>36</b>	479	2.2	25	<b>VP130</b>			8814
	<b>30</b>	532	1.6	30	<b>VP110</b>			7161
	<b>30</b>	546	2.1	30	<b>VP130</b>			9366
	<b>22.5</b>	701	1.1	40	<b>VP110</b>			7882
	<b>22.5</b>	700	1.6	40	<b>VP130</b>			10309
	<b>18</b>	841*	0.9*	50	<b>VP110</b>			8491
	<b>18</b>	840	1.2	50	<b>VP130</b>			11105
	<b>18</b>	864	1.9	50	<b>VP150</b>			15182
	<b>15</b>	967*	0.7*	60	<b>VP110</b>			9023
	<b>15</b>	966	1	60	<b>VP130</b>			11801
	<b>15</b>	995	1.4	60	<b>VP150</b>			16133
	<b>11.3</b>	1214*	0.7*	80	<b>VP130</b>			12898
	<b>11.3</b>	1233	1.1	80	<b>VP150</b>			17757
<b>9</b>	1425*	0.8*	100	<b>VP150</b>			18000	
M2 090 2.20 2P.. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	51	1.8	7.5	<b>VP063</b>			1873
	<b>373.3</b>	50	2.6	7.5	<b>VP075</b>			2210
	<b>280</b>	66	1.5	10	<b>VP063</b>			2061
	<b>280</b>	66	2.2	10	<b>VP075</b>			2433
	<b>280</b>	68	3.5	10	<b>VP090</b>			2692
	<b>186.7</b>	97	1.1	15	<b>VP063</b>			2359
	<b>186.7</b>	97	1.5	15	<b>VP075</b>			2785
	<b>186.7</b>	100	2.7	15	<b>VP090</b>			3081
	<b>140</b>	128*	0.8*	20	<b>VP063</b>			2597
	<b>140</b>	126	1.3	20	<b>VP075</b>			3065
	<b>140</b>	129	2	20	<b>VP090</b>			3391
	<b>112</b>	154	1	25	<b>VP075</b>			3302
	<b>112</b>	159	1.6	25	<b>VP090</b>			3653
	<b>112</b>	161	3.1	25	<b>VP110</b>			4616
	<b>93.3</b>	178	1	30	<b>VP075</b>			3509
	<b>93.3</b>	185	1.7	30	<b>VP090</b>			3882
	<b>93.3</b>	187	3	30	<b>VP110</b>			4905

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$


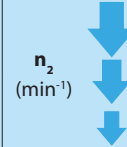
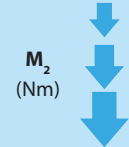
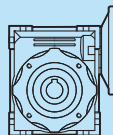
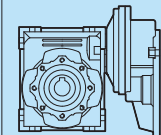
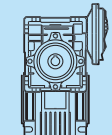
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ ( $\text{min}^{-1}$ )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>2.20</b>								
M2 090 2.20 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>70</b>	234*	0.8*	40	<b>VP075</b>			3862
	<b>70</b>	237	1.2	40	<b>VP090</b>			4273
	<b>70</b>	243	2.2	40	<b>VP110</b>			5399
	<b>56</b>	289*	0.9*	50	<b>VP090</b>			4603
	<b>56</b>	296	1.7	50	<b>VP110</b>			5816
	<b>46.7</b>	347	1.4	60	<b>VP110</b>			6181
	<b>38.6</b>	398	2.1	73.5		<b>VR090/110</b>		6586
	<b>35</b>	444*	0.9*	80	<b>VP110</b>			6803
	<b>35</b>	444	1.3	80	<b>VP130</b>			8897
	<b>28.9</b>	516	1.5	98		<b>VR090/110</b>		7249
	<b>28</b>	525*	0.7*	100	<b>VP110</b>			7328
	<b>28</b>	525	1	100	<b>VP130</b>			9584
	<b>23.1</b>	617	1.2	122.5		<b>VR090/110</b>		7809
	<b>3.00</b>							
M2 100 3.00 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	68	1.9	7.5	<b>VP075</b>			2210
	<b>373.3</b>	70	3	7.5	<b>VP090</b>			2446
	<b>280</b>	90	1.6	10	<b>VP075</b>			2433
	<b>280</b>	92	2.6	10	<b>VP090</b>			2692
	<b>186.7</b>	135	1.2	15	<b>VP075</b>			2785
	<b>186.7</b>	137	2	15	<b>VP090</b>			3081
	<b>140</b>	176	1	20	<b>VP075</b>			3065
	<b>140</b>	180	1.4	20	<b>VP090</b>			3391
	<b>140</b>	182	2.7	20	<b>VP110</b>			4285
	<b>112</b>	215*	0.7*	25	<b>VP075</b>			3302
	<b>112</b>	220	1.1	25	<b>VP090</b>			3653
	<b>112</b>	225	2.2	25	<b>VP110</b>			4616
	<b>93.3</b>	249*	0.7*	30	<b>VP075</b>			3509
	<b>93.3</b>	255	1.2	30	<b>VP090</b>			3882
	<b>93.3</b>	258	2.1	30	<b>VP110</b>			4905
	<b>70</b>	328*	0.8*	40	<b>VP090</b>			4273
	<b>70</b>	340	1.6	40	<b>VP110</b>			5399
	<b>56</b>	409	1.2	50	<b>VP110</b>			5816
	<b>46.7</b>	479	1	60	<b>VP110</b>			6181
	M2 100 3.00 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	137	1.4	7.5	<b>VP075</b>		
<b>186.7</b>		138	2.1	7.5	<b>VP090</b>			3081
<b>140</b>		180	1.1	10	<b>VP075</b>			3065
<b>140</b>		182	1.7	10	<b>VP090</b>			3391
<b>140</b>		182	3.3	10	<b>VP110</b>			4285
<b>93.3</b>		261*	0.8*	15	<b>VP075</b>			3509
<b>93.3</b>		264	1.4	15	<b>VP090</b>			3882
<b>93.3</b>		264	2.5	15	<b>VP110</b>			4905
<b>70</b>		344	1	20	<b>VP090</b>			4273
<b>70</b>		348	1.9	20	<b>VP110</b>			5399
<b>56</b>		420*	0.8*	25	<b>VP090</b>			4603
<b>56</b>		430	1.6	25	<b>VP110</b>			5816
<b>56</b>		430	2.2	25	<b>VP130</b>			7607
<b>46.7</b>		479*	0.9*	30	<b>VP090</b>			4891
<b>46.7</b>		485	1.5	30	<b>VP110</b>			6181
<b>46.7</b>		491	2.1	30	<b>VP130</b>			8084
<b>35</b>		638	1.1	40	<b>VP110</b>			6803
<b>35</b>		638	1.6	40	<b>VP130</b>			8897
<b>28</b>		767*	0.9*	50	<b>VP110</b>			7328
<b>28</b>		767	1.3	50	<b>VP130</b>			9584

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

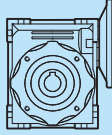
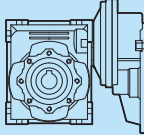
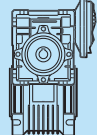
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>3.00</b>								
M2 100 3.00 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>28</b>	778	1.8	50	<b>VP150</b>			13103
	<b>23.3</b>	884	1	60	<b>VP130</b>			10185
	<b>23.3</b>	896	1.4	60	<b>VP150</b>			13924
	<b>17.5</b>	1113*	0.8*	80	<b>VP130</b>			11210
	<b>17.5</b>	1113	1	80	<b>VP150</b>			15325
	<b>14.00</b>	1310*	0.8*	100	<b>VP150</b>			16508
M2 132 3.00 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	212	3.1	7.5	<b>VP110</b>			4511
	<b>90</b>	280	2.5	10	<b>VP110</b>			4965
	<b>90</b>	280	3.4	10	<b>VP130</b>			6494
	<b>60</b>	406	1.9	15	<b>VP110</b>			5684
	<b>60</b>	406	2.6	15	<b>VP130</b>			7434
	<b>45</b>	528	1.4	20	<b>VP110</b>			6256
	<b>45</b>	535	1.9	20	<b>VP130</b>			8182
	<b>45</b>	541	2.8	20	<b>VP150</b>			11186
	<b>36</b>	653	1.2	25	<b>VP110</b>			6739
	<b>36</b>	653	1.6	25	<b>VP130</b>			8814
	<b>36</b>	669	2.1	25	<b>VP150</b>			12050
	<b>30</b>	736	1.1	30	<b>VP110</b>			7161
	<b>30</b>	745	1.6	30	<b>VP130</b>			9366
	<b>30</b>	783	1.8	30	<b>VP150</b>			12805
	<b>22.5</b>	955*	0.8*	40	<b>VP110</b>			7882
	<b>22.5</b>	955	1.2	40	<b>VP130</b>			10309
	<b>22.5</b>	968	1.9	40	<b>VP150</b>			14094
	<b>18</b>	1178	1.4	50	<b>VP150</b>			15182
	<b>15</b>	1357	1.1	60	<b>VP150</b>			16133
	<b>4.00</b>							
M2 112 4.00 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	91	1.4	7.5	<b>VP075</b>			2210
	<b>373.3</b>	93	2.3	7.5	<b>VP090</b>			2446
	<b>280</b>	120	1.2	10	<b>VP075</b>			2433
	<b>280</b>	123	1.9	10	<b>VP090</b>			2692
	<b>186.7</b>	180*	0.9*	15	<b>VP075</b>			2785
	<b>186.7</b>	182	1.5	15	<b>VP090</b>			3081
	<b>140</b>	235	0.7	20	<b>VP075</b>			3065
	<b>140</b>	240	1.1	20	<b>VP090</b>			3391
	<b>112</b>	293*	0.9*	25	<b>VP090</b>			3653
	<b>93.3</b>	340*	0.9*	30	<b>VP090</b>			3882
	M2 112 4.00 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	180	1	7.5	<b>VP075</b>		
<b>186.7</b>		184	1.6	7.5	<b>VP090</b>			3081
<b>187</b>		184	3.0	7.5	<b>VP110</b>			3893
<b>140</b>		237*	0.8*	10	<b>VP075</b>			3065
<b>140</b>		243	1.3	10	<b>VP090</b>			3391
<b>140</b>		243	2.5	10	<b>VP110</b>			4285
<b>93.3</b>		352	1	15	<b>VP090</b>			3882
<b>93.3</b>		352	1.9	15	<b>VP110</b>			4905
<b>70</b>		458*	0.8*	20	<b>VP090</b>			4273
<b>70</b>		464	1.4	20	<b>VP110</b>			5399
<b>56</b>		573	1.2	25	<b>VP110</b>			5816
<b>56</b>		573	1.6	25	<b>VP130</b>			7607
<b>46.7</b>		647	1.1	30	<b>VP110</b>			6181
<b>46.7</b>		655	1.6	30	<b>VP130</b>			8084
<b>35</b>		863*	0.8*	40	<b>VP110</b>			6803
<b>35</b>		851	1.2	40	<b>VP130</b>			8897
<b>28</b>		1023	1	50	<b>VP130</b>			9584
<b>28</b>		1037	1.4	50	<b>VP150</b>			13103
<b>23.3</b>		1179*	0.8*	60	<b>VP130</b>			10185
<b>23.3</b>		1195	1.1	60	<b>VP150</b>			13924
<b>17.5</b>	1484*	0.8*	80	<b>VP150</b>			15325	
M2 132 4.00 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	283	2.3	7.5	<b>VP110</b>			4511
	<b>120</b>	287	3.1	7.5	<b>VP130</b>			5901
	<b>90</b>	374	1.9	10	<b>VP110</b>			4965
	<b>90</b>	374	2.6	10	<b>VP130</b>			6494
	<b>60</b>	541	1.4	15	<b>VP110</b>			5684

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

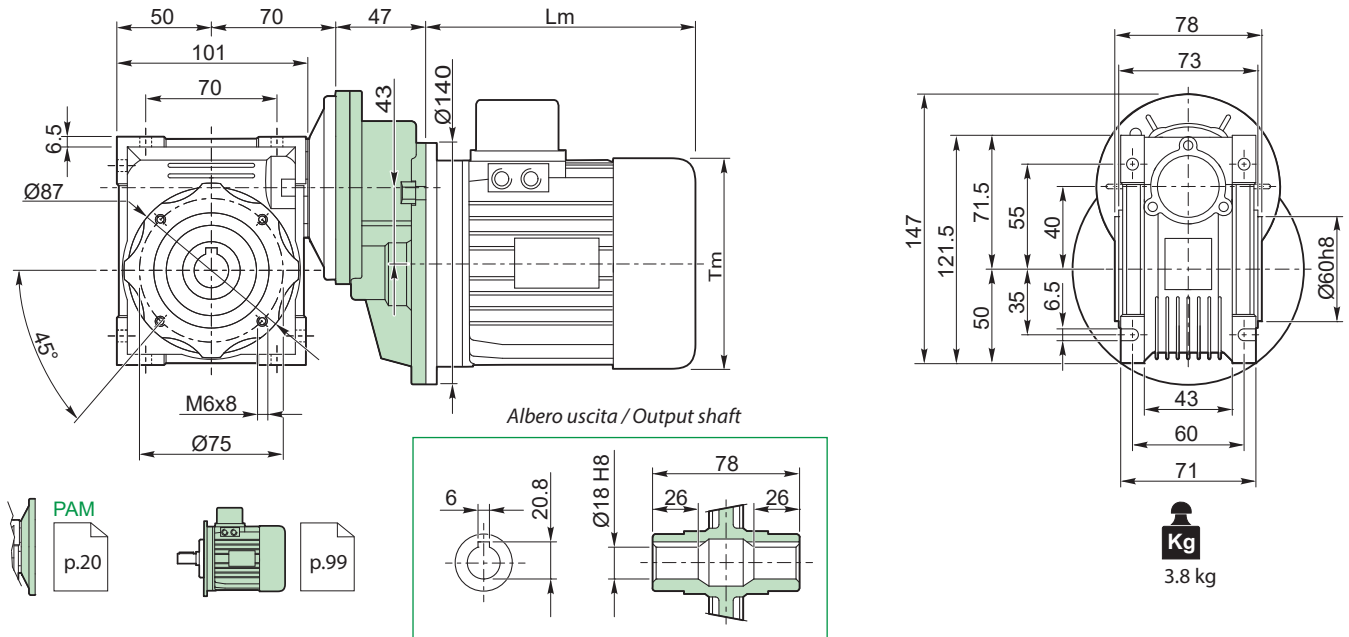
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)	
<b>4.00</b>									
M2 132 4.00 6P. (n1 = 900 min <sup>-1</sup> )	<b>60</b>	541	2	15	<b>VP130</b>			7434	
	<b>56</b>	580	1.2	25	<b>VP110</b>			5816	
	<b>46.7</b>	655	1.1	30	<b>VP110</b>			6181	
	<b>45</b>	713	1.5	20	<b>VP130</b>			8182	
	<b>45</b>	722	2.1	20	<b>VP150</b>			11186	
	<b>36</b>	870	1.2	25	<b>VP130</b>			8814	
	<b>36</b>	892	1.5	25	<b>VP150</b>			12050	
	<b>35</b>	863*	0.8*	40	<b>VP110</b>			6803	
	<b>30</b>	1006	1.2	30	<b>VP130</b>			9366	
	<b>30</b>	1045	1.3	30	<b>VP150</b>			12805	
	<b>22.5</b>	1291*	0.9*	40	<b>VP130</b>			10309	
	<b>22.5</b>	1291	1.4	40	<b>VP150</b>			14094	
	<b>18</b>	1571	1	50	<b>VP150</b>			15182	
	<b>15</b>	1809*	0.8*	60	<b>VP150</b>			16133	
<b>5.50</b>									
M2 132 5.50 4P. (n1 = 1400 min <sup>-1</sup> )	<b>186.7</b>	253	2.2	7.5	<b>VP110</b>			3893	
	<b>140</b>	334	1.8	10	<b>VP110</b>			4285	
	<b>140</b>	334	2.5	10	<b>VP130</b>			5605	
	<b>93.3</b>	484	1.4	15	<b>VP110</b>			4905	
	<b>93.3</b>	490	1.9	15	<b>VP130</b>			6416	
	<b>70</b>	638	1	20	<b>VP110</b>			5399	
	<b>70</b>	645	1.4	20	<b>VP130</b>			7062	
	<b>70</b>	645	2	20	<b>VP150</b>			9654	
	<b>56</b>	798*	0.9*	25	<b>VP110</b>			5816	
	<b>56</b>	788	1.2	25	<b>VP130</b>			7607	
	<b>56</b>	788	1.5	25	<b>VP150</b>			10400	
	<b>46.7</b>	901*	0.8*	30	<b>VP110</b>			6181	
	<b>46.7</b>	900	1.2	30	<b>VP130</b>			8084	
	<b>46.7</b>	934	1.3	30	<b>VP150</b>			11051	
	<b>35</b>	1171*	0.9*	40	<b>VP130</b>			8897	
	<b>35</b>	1171	1.3	40	<b>VP150</b>			12163	
	<b>28</b>	1426	1	50	<b>VP150</b>			13103	
	<b>23.3</b>	1643*	0.8*	60	<b>VP150</b>			13924	
	<b>7.50</b>								
	M3 132 7.50 4P. (n1 = 1400 min <sup>-1</sup> )	<b>186.7</b>	345	1.6	7.5	<b>VP110</b>			3893
<b>186.7</b>		349	2.1	7.5	<b>VP130</b>			5092	
<b>140</b>		455	1.3	10	<b>VP110</b>			4285	
<b>140</b>		455	1.8	10	<b>VP130</b>			5605	
<b>93.3</b>		660	1	15	<b>VP110</b>			4905	
<b>93.3</b>		668	1.4	15	<b>VP130</b>			6416	
<b>70</b>		880*	0.7*	20	<b>VP110</b>			5399	
<b>70</b>		880	1.0	20	<b>VP130</b>			7062	
<b>70</b>		880	1.5	20	<b>VP150</b>			9654	
<b>56</b>		1074*	0.9*	25	<b>VP130</b>			7607	
<b>56</b>		1074	1.1	25	<b>VP150</b>			10400	
<b>46.7</b>		1228*	0.8*	30	<b>VP130</b>			8084	
<b>46.7</b>		1274*	0.9*	30	<b>VP150</b>			11051	
<b>35</b>		1596*	0.7*	40	<b>VP130</b>			8897	
<b>35</b>		1596	1	40	<b>VP150</b>			12163	
<b>28</b>		1971*	0.7*	50	<b>VP150</b>			13103	
<b>11.0</b>									
M3 160 11.0 4P. (n1 = 1400 min <sup>-1</sup> )		<b>187</b>	512	2.3	7.5	<b>VP150</b>			6962
	<b>140</b>	675	1.8	10	<b>VP150</b>			7663	
	<b>93.3</b>	990	1.3	15	<b>VP150</b>			8771	
	<b>70</b>	1291	1.0	20	<b>VP150</b>			9654	
	<b>56</b>	1576*	0.8*	25	<b>VP150</b>			10400	
<b>15.0</b>									
M3 160 15.0 4P. (n1 = 1400 min <sup>-1</sup> )	<b>187</b>	698	1.7	7.5	<b>VP150</b>			6962	
	<b>140</b>	921	1.3	10	<b>VP150</b>			7663	
	<b>93.3</b>	1351*	0.9*	15	<b>VP150</b>			8771	
	<b>70</b>	1760*	0.7*	20	<b>VP150</b>			9654	

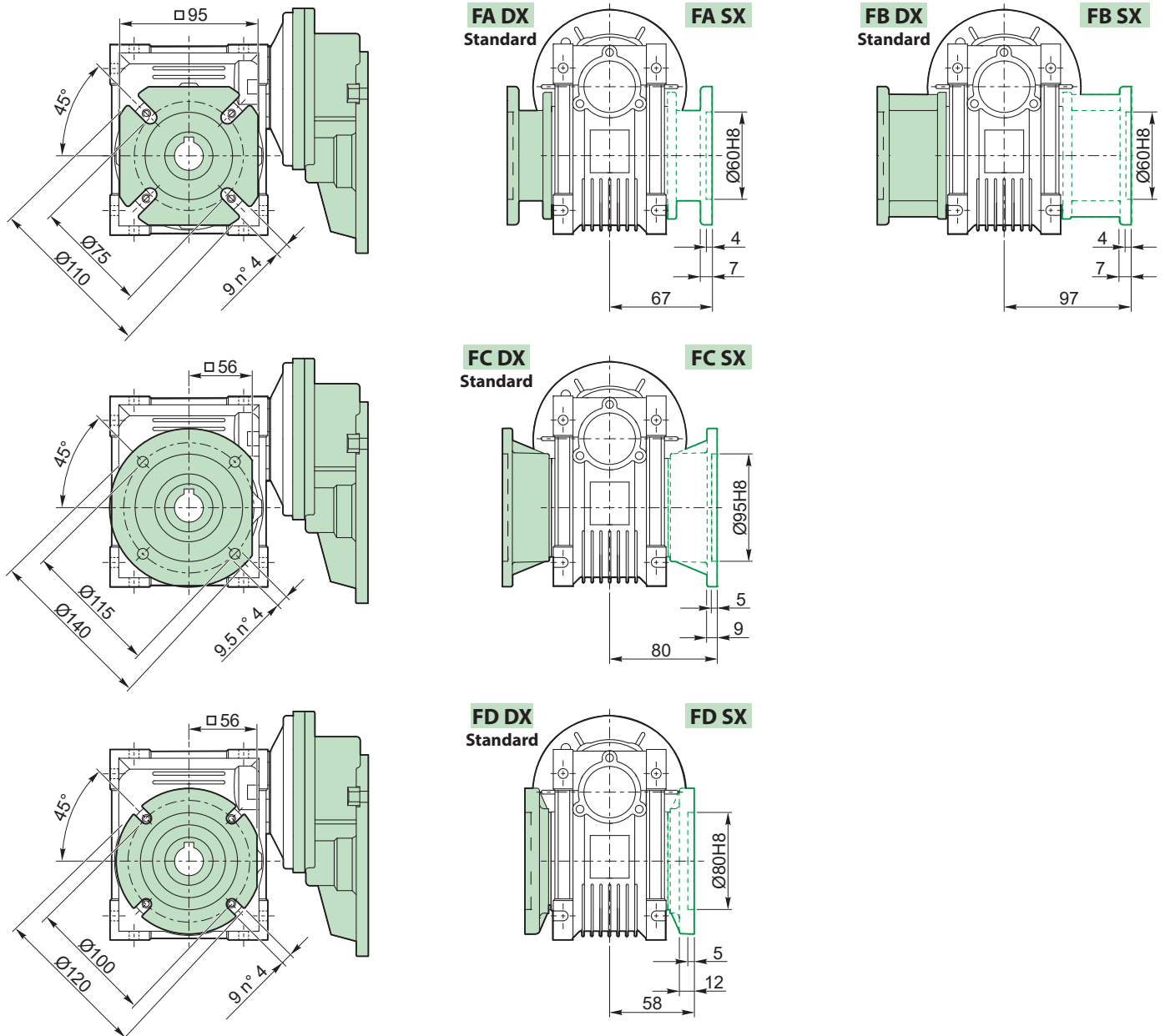
\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

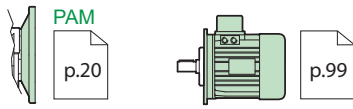
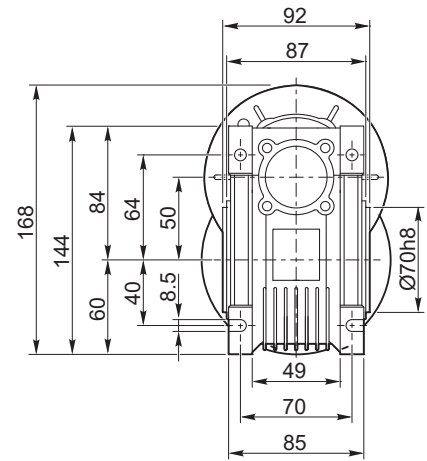
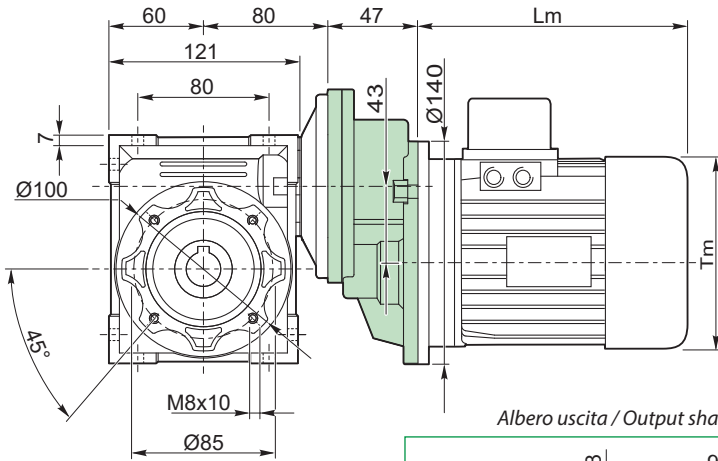
**VR 063 / 040 P...**



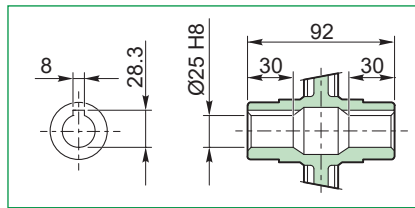
**VR 063 / 040 F...**



VR 063 / 050 P...

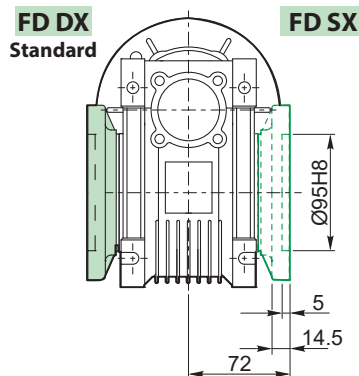
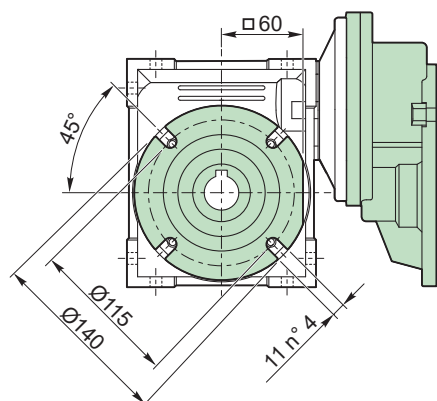
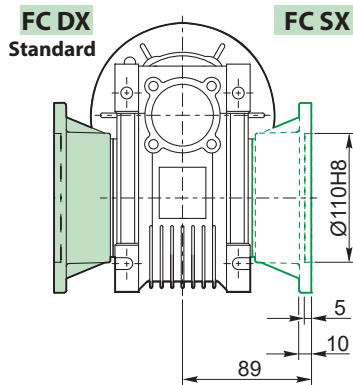
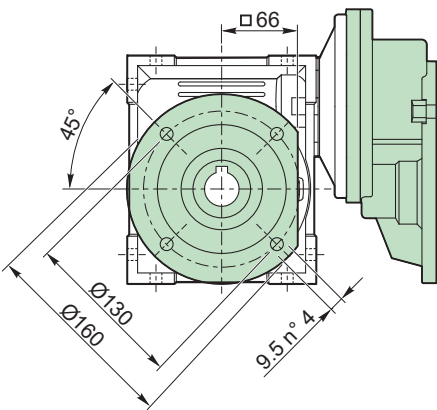
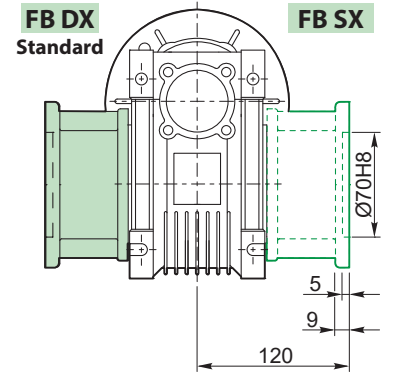
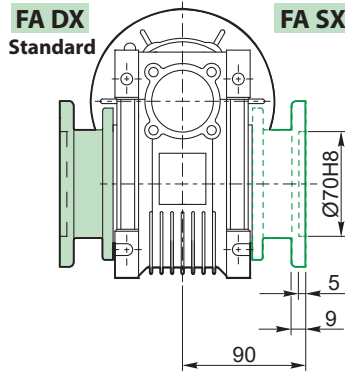
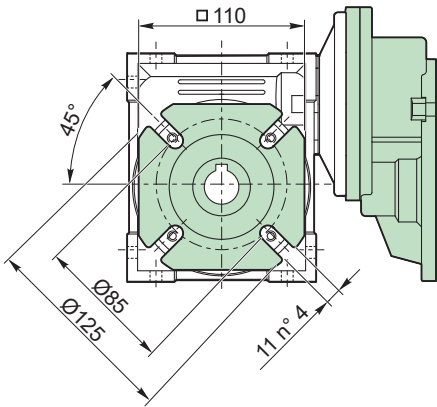


Albero uscita / Output shaft

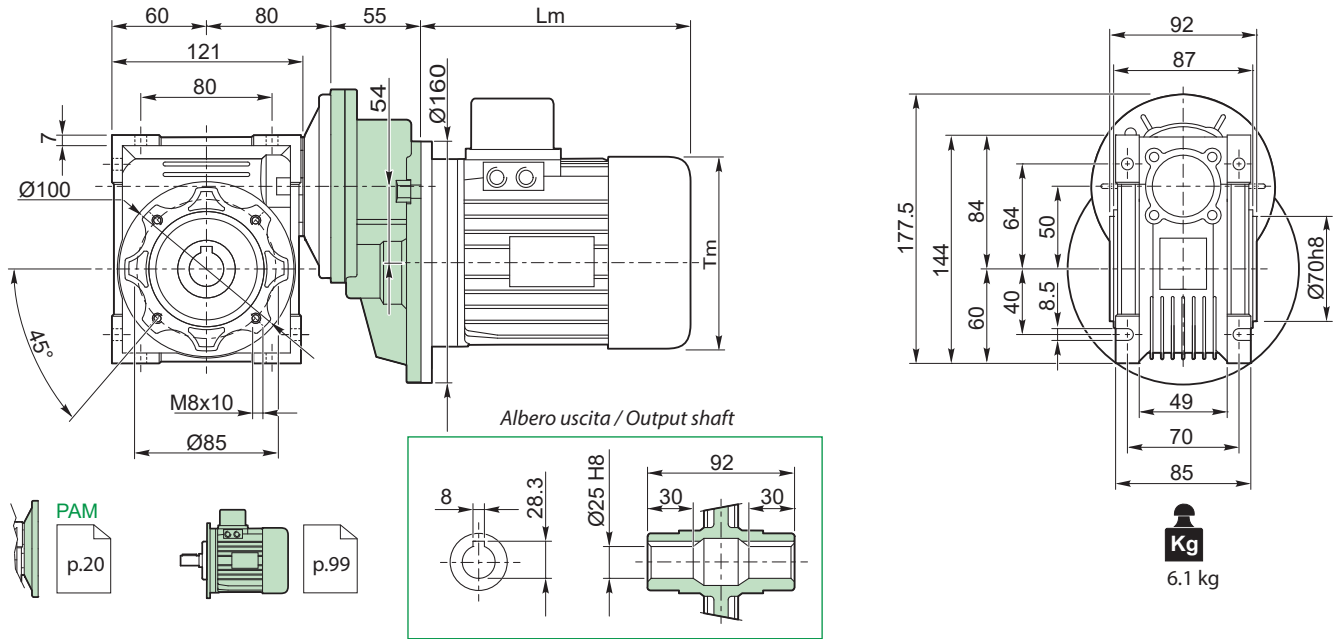


**Kg**  
5 kg

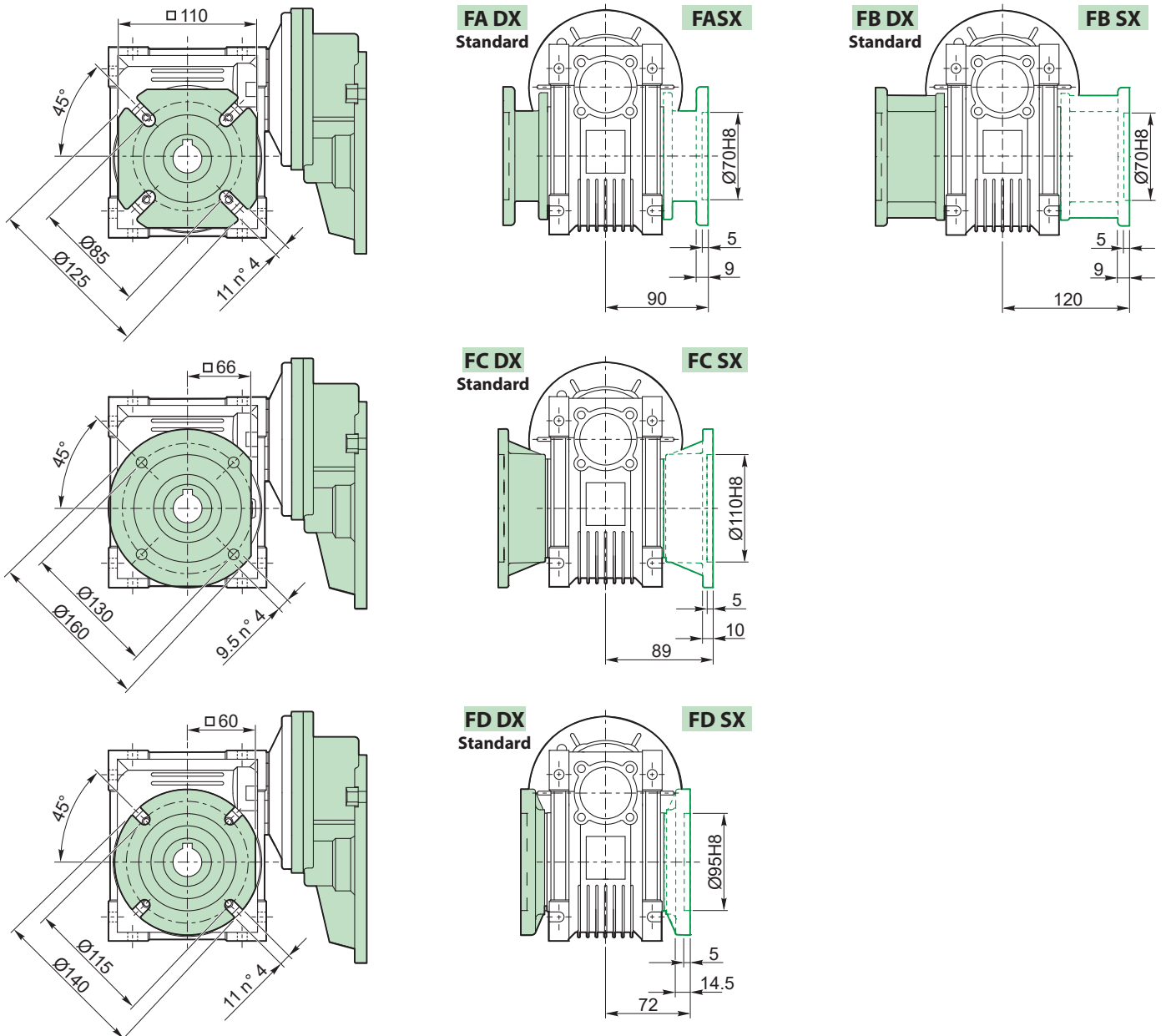
VR 063 / 050 F...



**VR 071 / 050 P...**

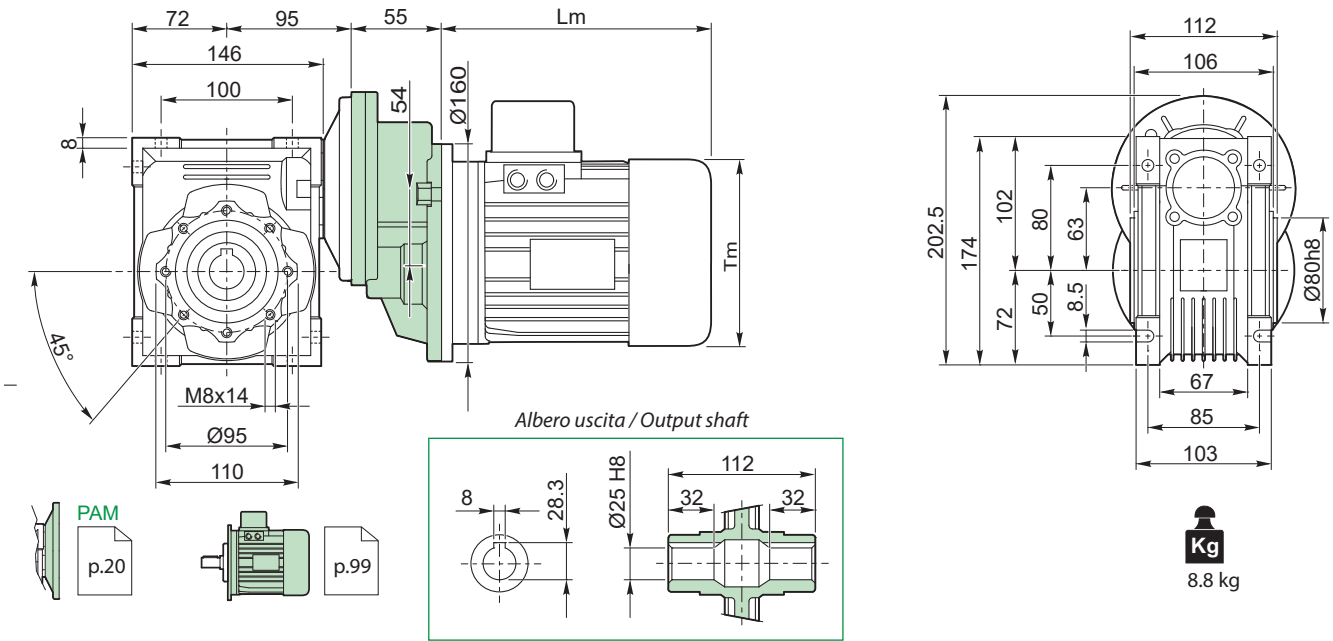


**VR 071 / 050 F...**

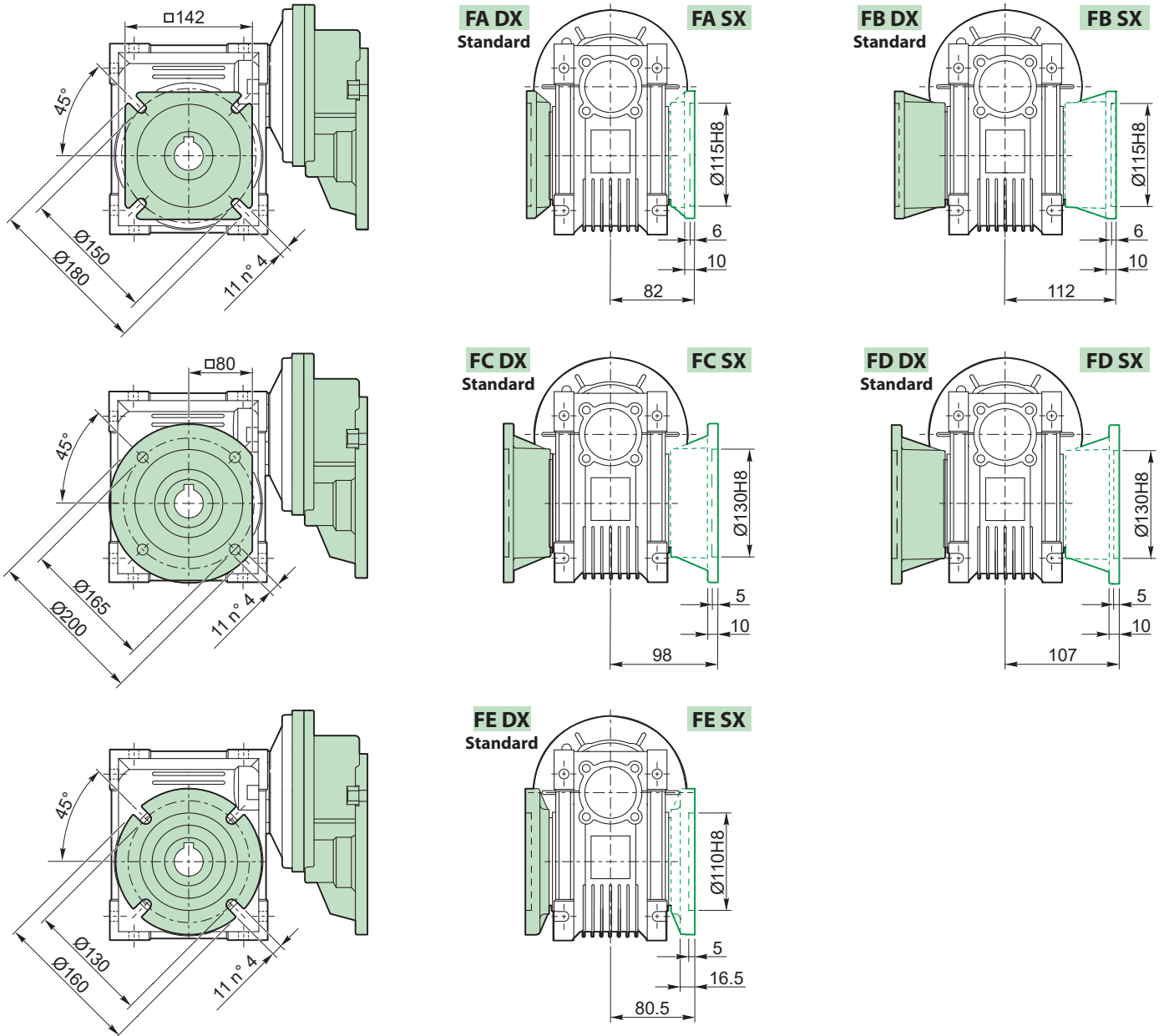




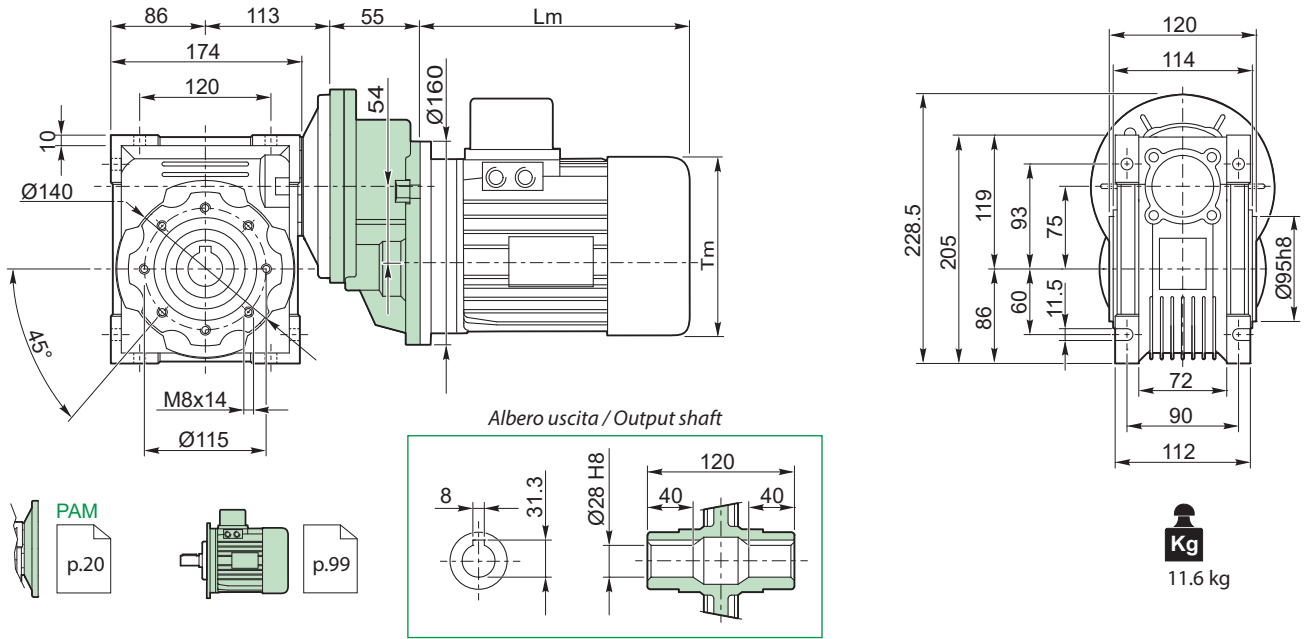
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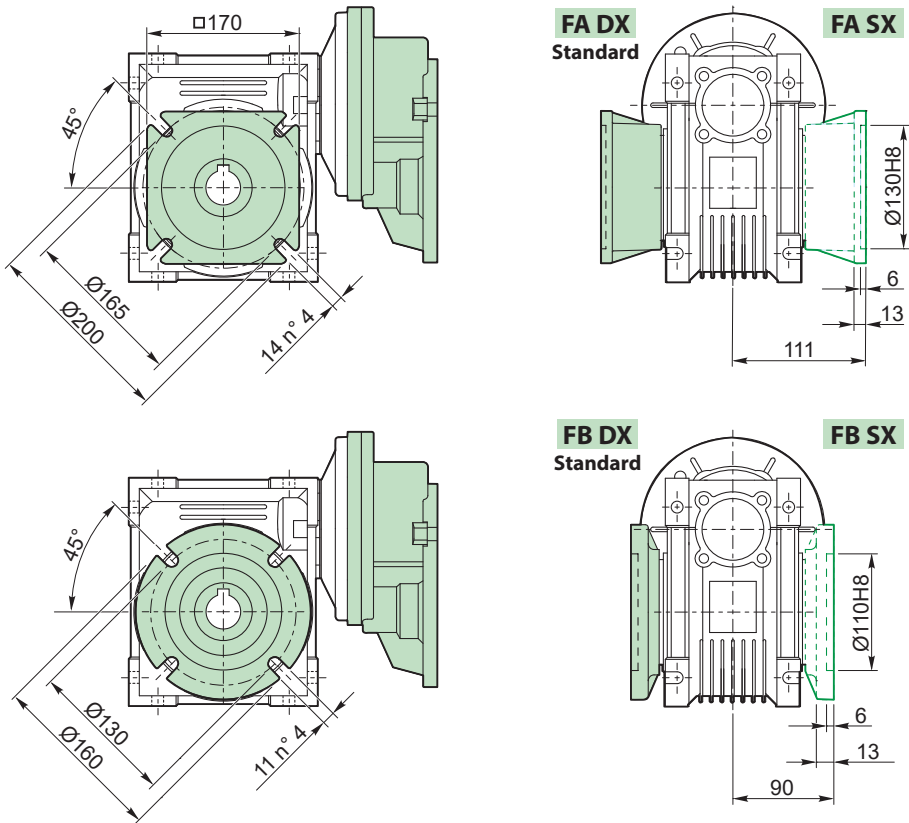
VR 071 / 063 F...



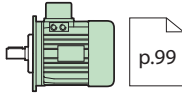
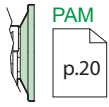
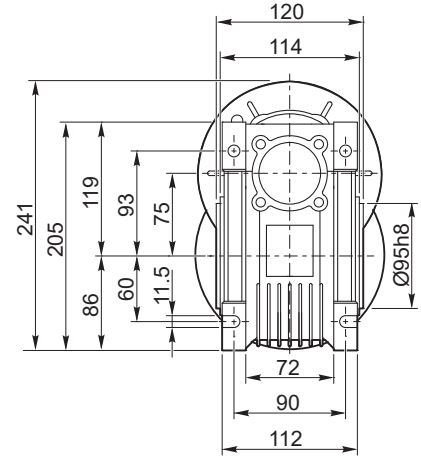
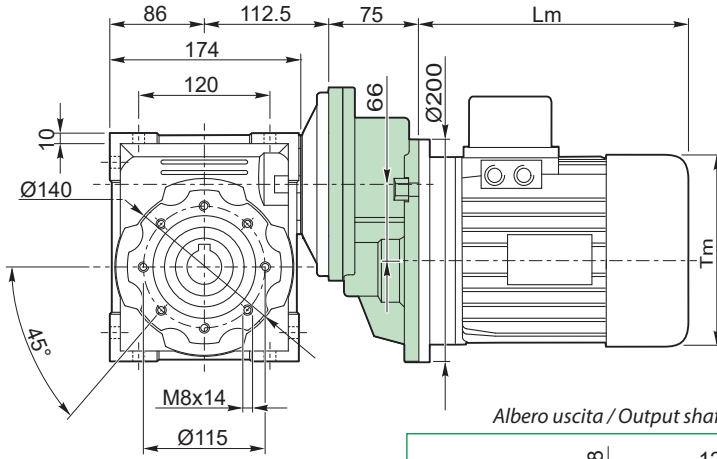
**VR 071/075 P...**



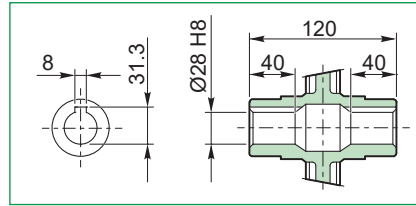
**VR 071 / 075 F...**



VR 080 / 075 P...

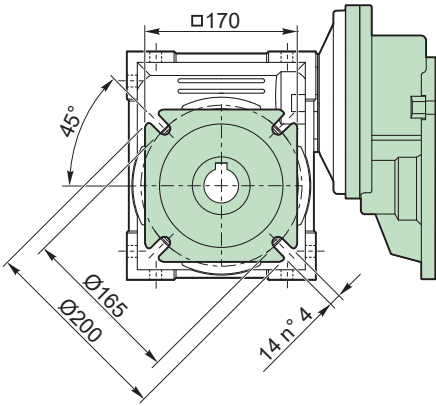


Albero uscita / Output shaft

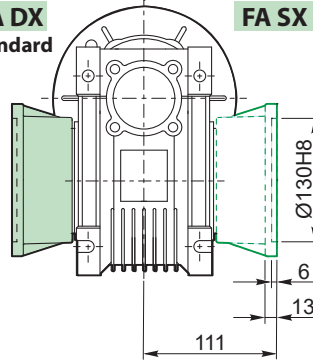


**Kg**  
13.7 kg

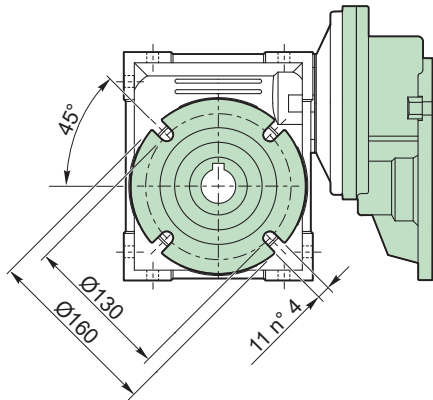
VR 080 / 075 F...



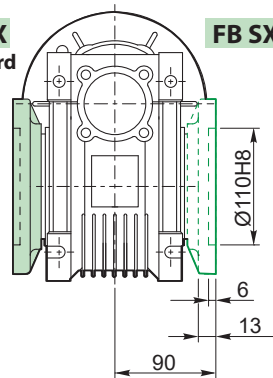
**FA DX**  
Standard



**FA SX**

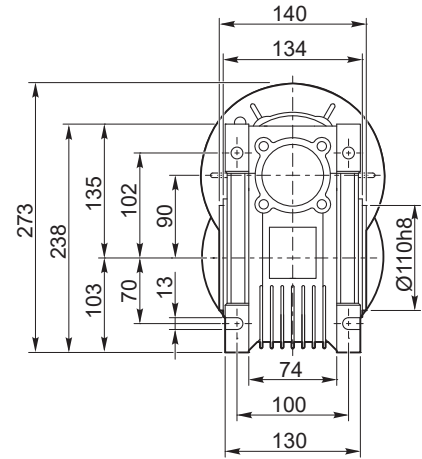
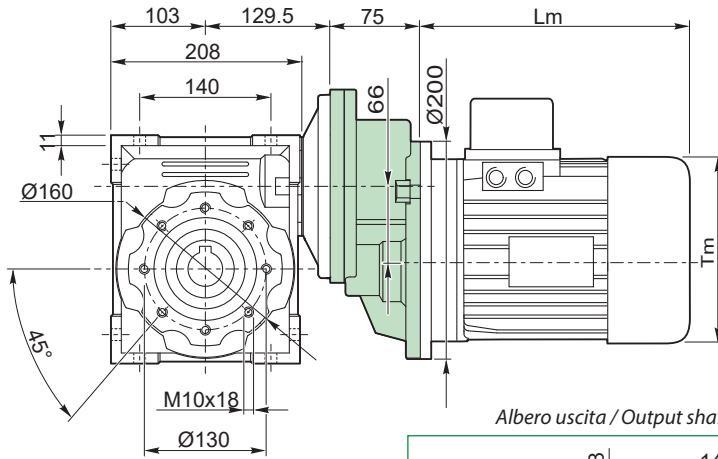


**FB DX**  
Standard

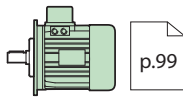
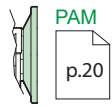
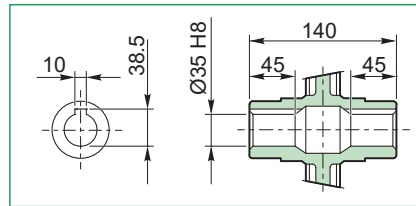


**FB SX**

**VR 080 / 090 P...**

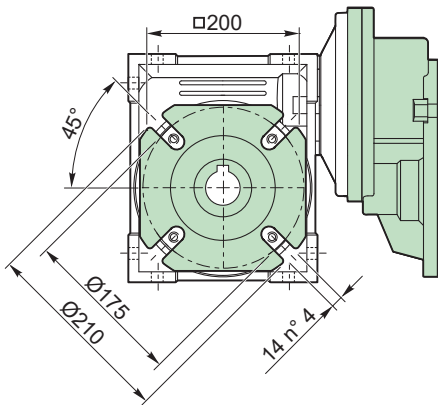


Albero uscita / Output shaft

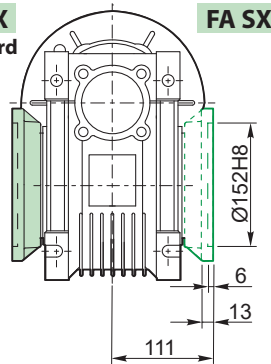


**Kg**  
17.7 kg

**VR 080 / 090 F...**

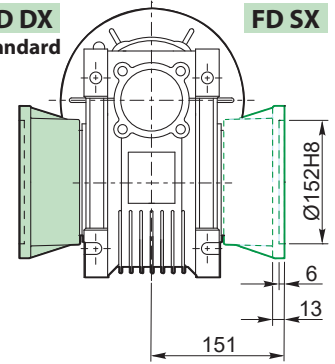


**FA DX**  
Standard

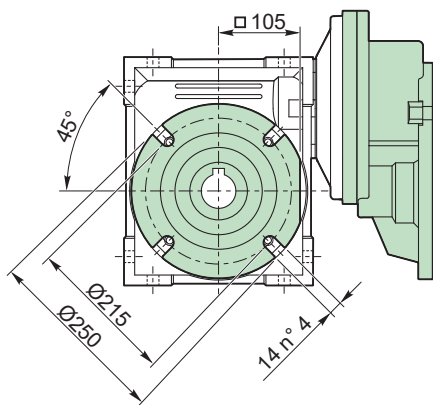


**FA SX**

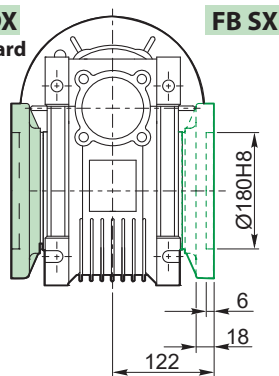
**FD DX**  
Standard



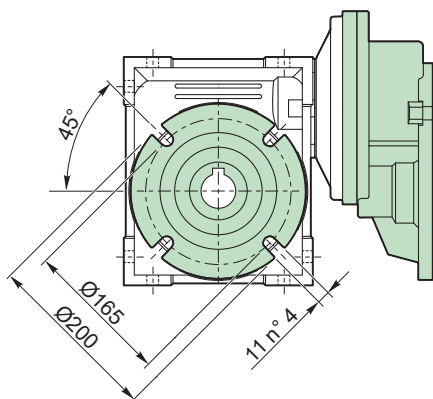
**FD SX**



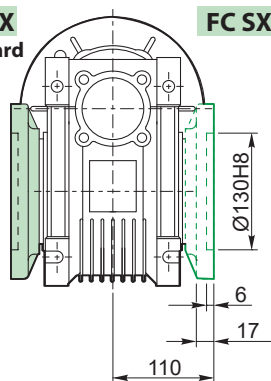
**FB DX**  
Standard



**FB SX**

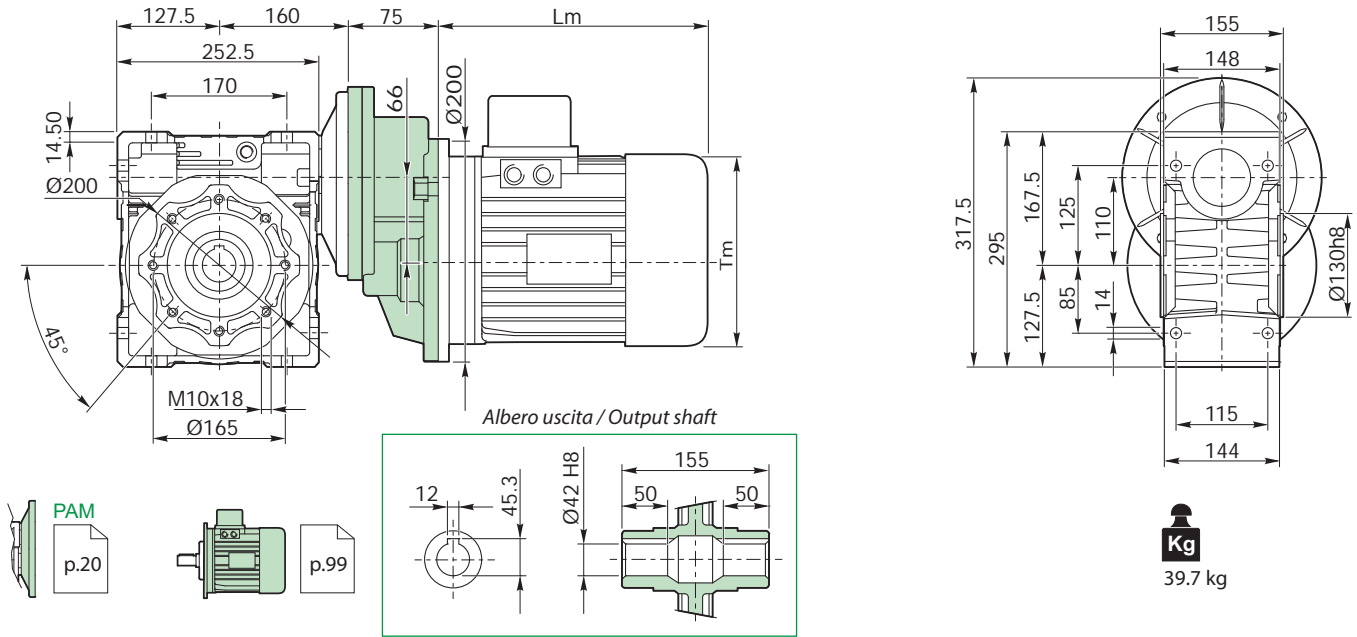


**FC DX**  
Standard

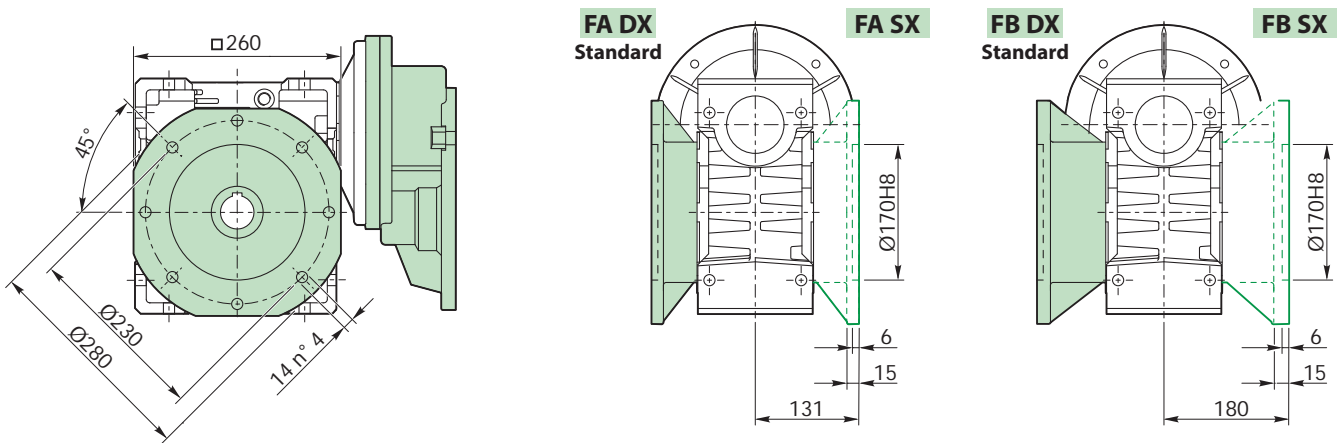


**FC SX**

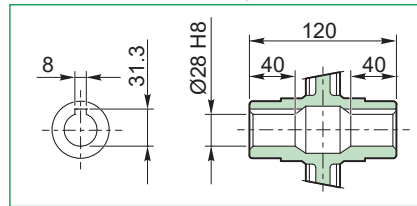
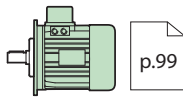
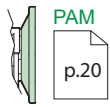
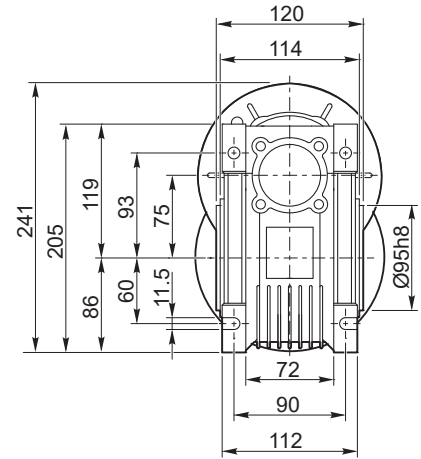
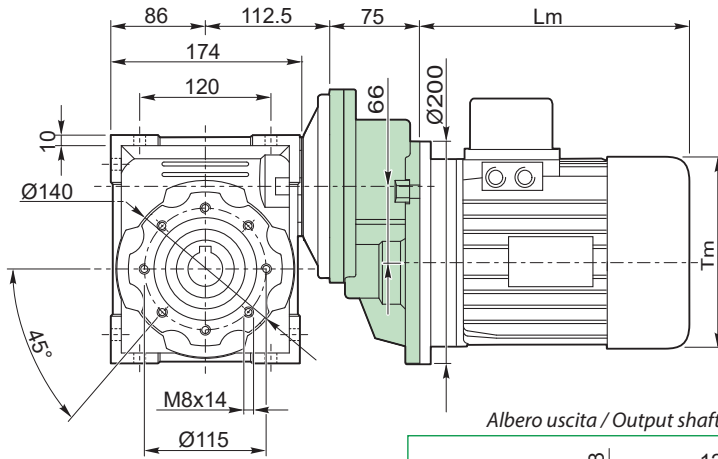
VR 080 / 110 P...



VR 080 / 110 F...

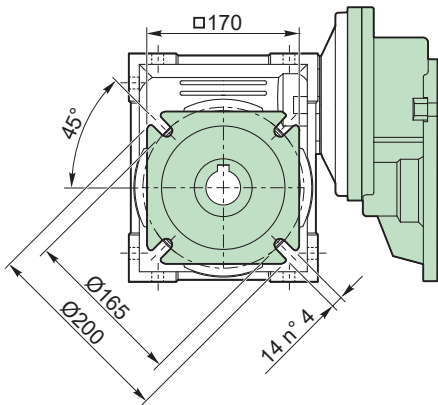


**VR 090 / 075 P...**

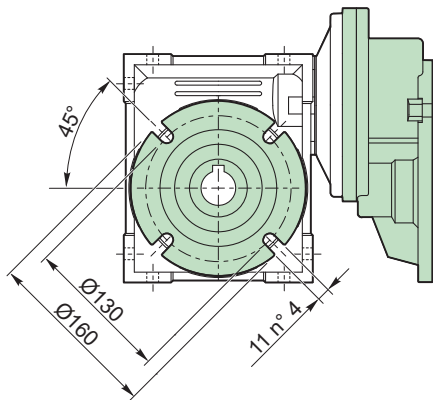
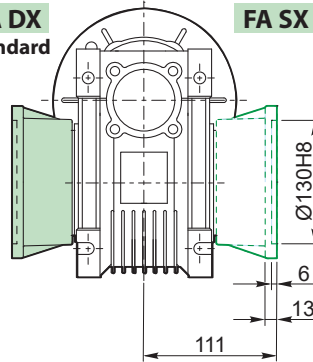


**Kg**  
13.7 kg

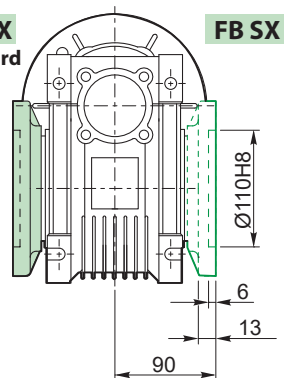
**VR 090 / 075 F...**



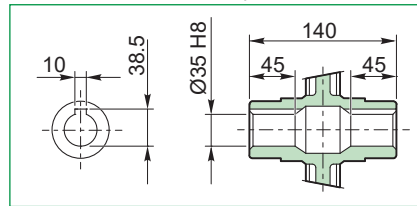
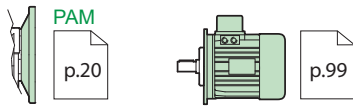
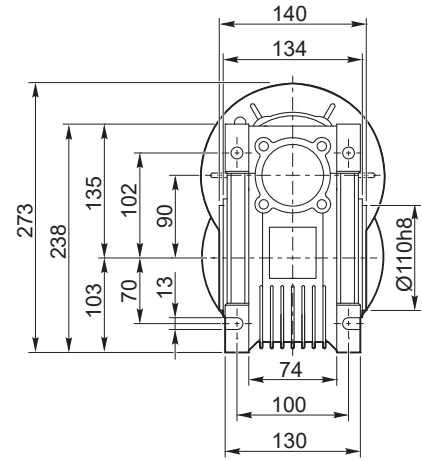
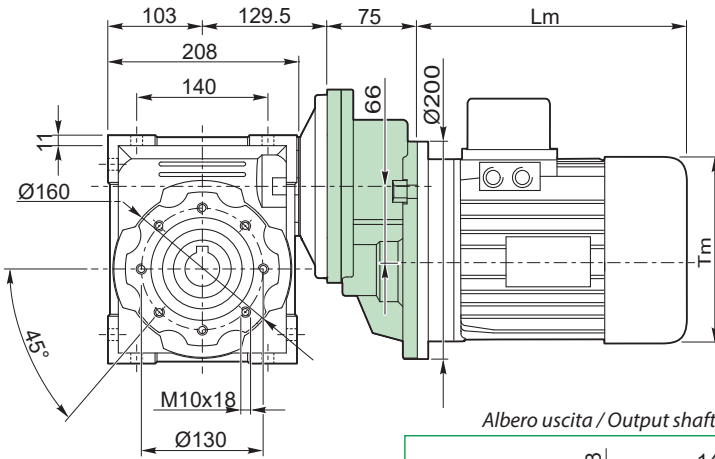
**FA DX**  
Standard



**FB DX**  
Standard

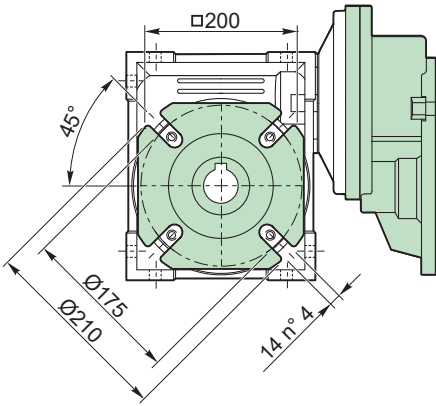


VR 090 / 090 P...

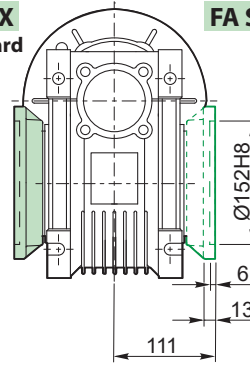


**Kg**  
17.7 kg

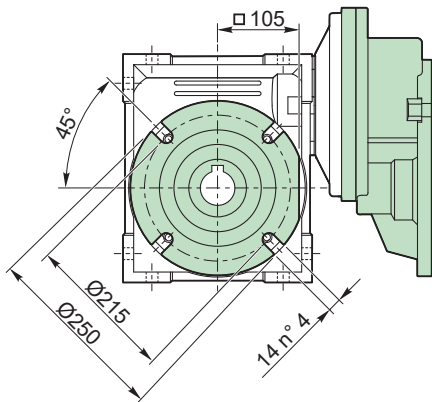
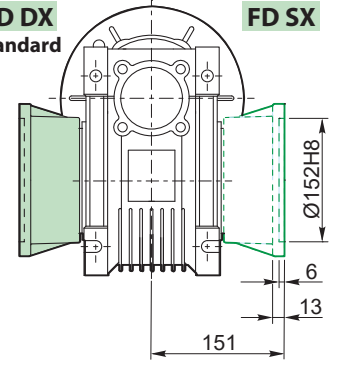
VR 090 / 090 F...



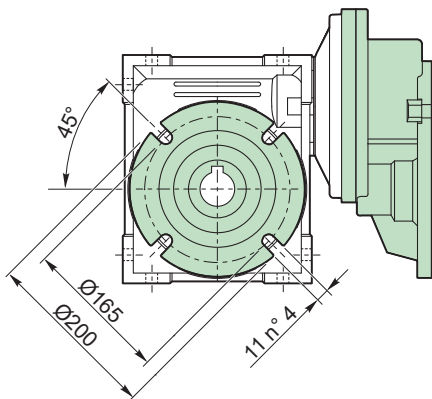
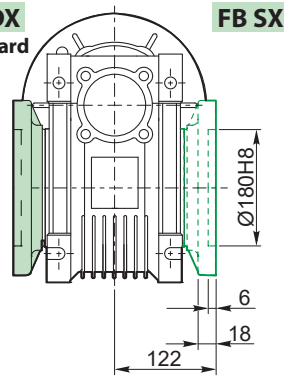
**FA DX**  
Standard



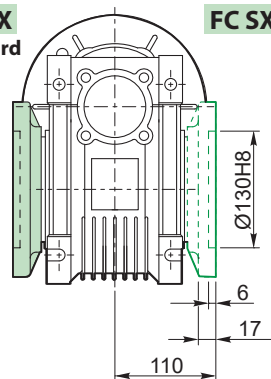
**FD DX**  
Standard



**FB DX**  
Standard

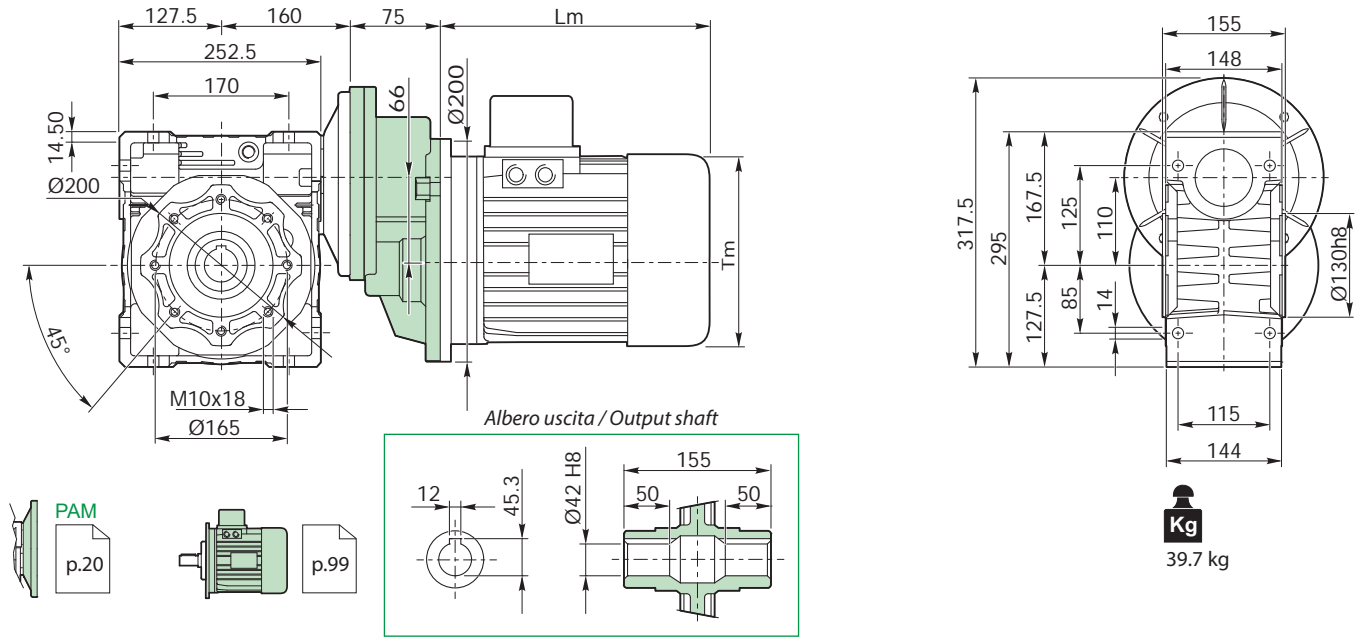


**FC DX**  
Standard

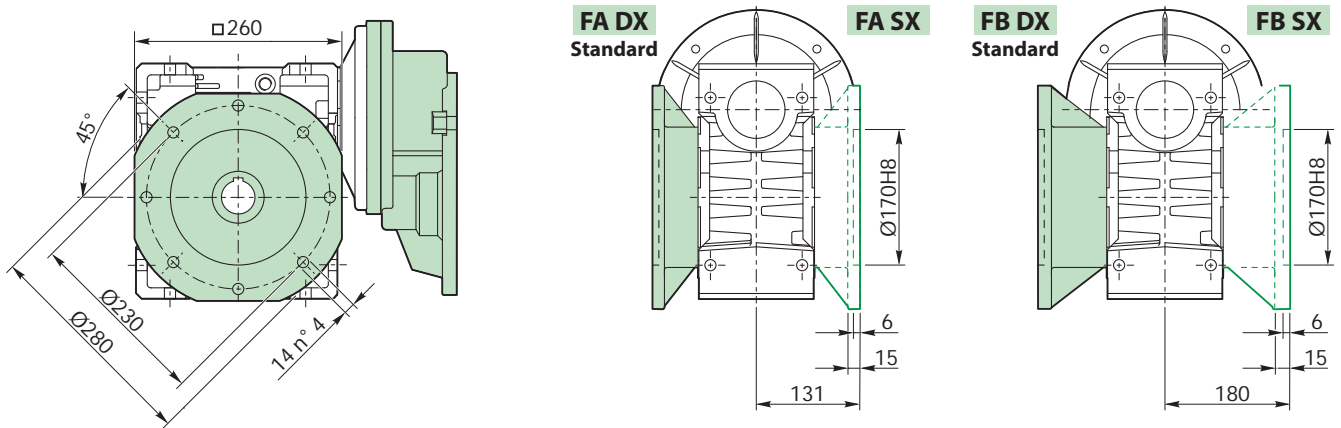




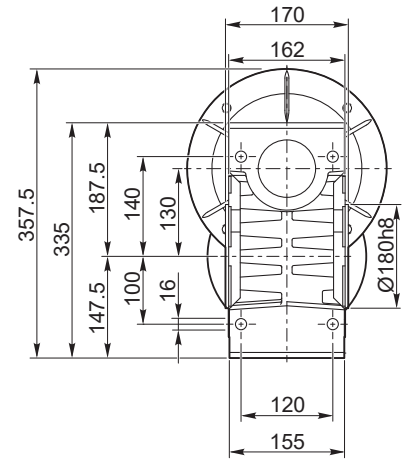
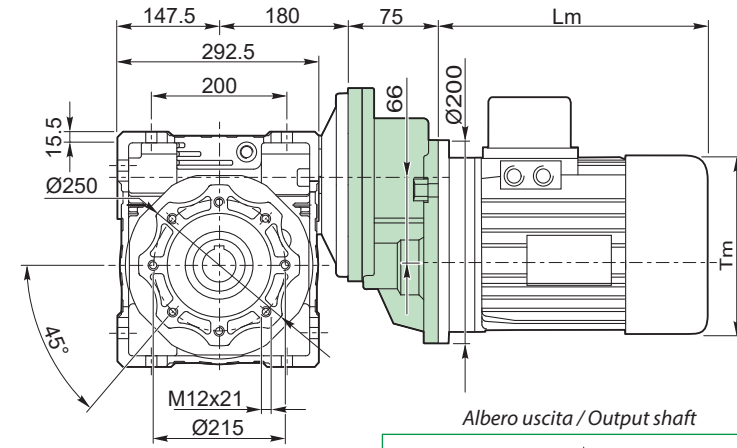
**VR 090 / 110 P...**



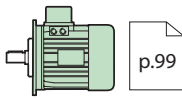
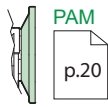
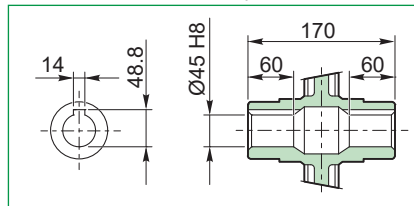
**VR 090 / 110 F...**



VR 090 / 130 P...

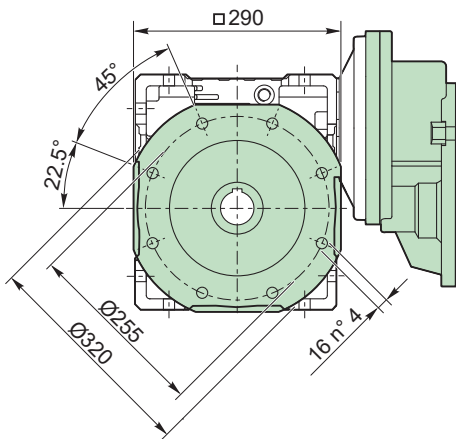


Albero uscita / Output shaft



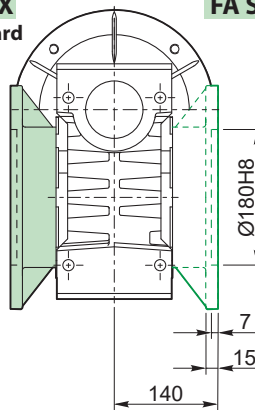
**Kg**  
52.7 kg

VR 090 / 130 F...



**FA DX**  
Standard

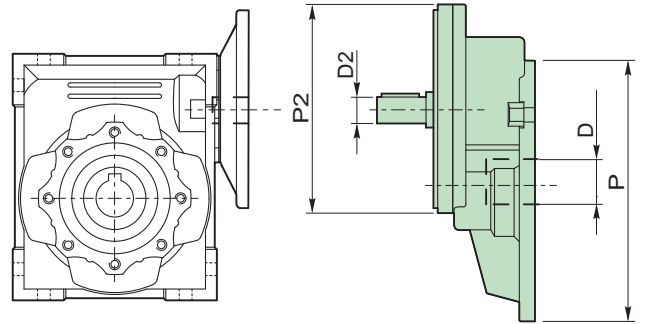
**FA SX**



## Kit assemblaggio - Accessori / Assembly Kit - Accessories

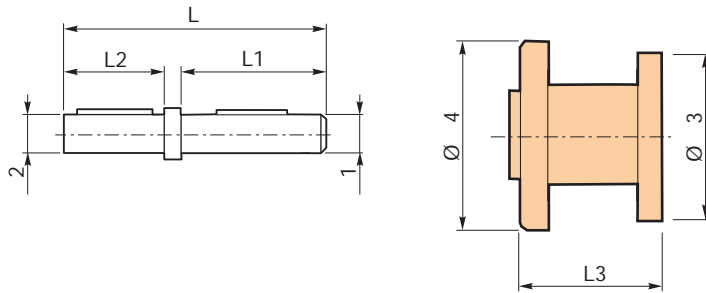
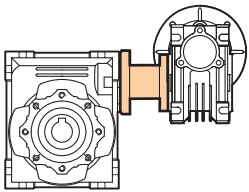
### KIT PRECOPPIA / KIT PRE-STAGE

VR	CODICE / CODE	P	D	P2	D2	Kg
<b>063/040</b> <b>063/050</b>	PR063A11	140	11	105	11	1.5
	PR063A14	140	11	105	14	1.5
<b>071/050</b> <b>071/063</b> <b>071/075</b>	PR071A14	160	14	120	14	2.6
	PR071A19	160	14	120	19	2.6
<b>080/075</b> <b>080/090</b> <b>080/110</b>	PR080A19	200	19	160	19	4.7
	PR080A24	200	19	160	24	4.7
<b>090/090</b> <b>090/110</b> <b>090/130</b>	PR090A24	200	24	160	24	4.7
	PR090A28	200	24	160	28	4.7



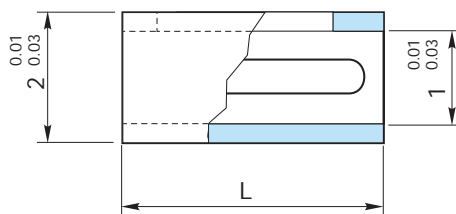
### KIT COMBINAZIONE VITE SENZA FINE / KIT COMBINATION WORMGEARBOXES

Albero di combinazione / Combination shaft    Flangia di combinazione / Combination flange



VR	CODICE / CODE	Albero di combinazione / Combination shaft					Flangia di combinazione / Combination flange		
		D1	D2	L1	L2	L	D3	D4	L3
<b>025/030</b>	KC025030A09	11	9	32	16	71.5	70	58	36.5
<b>025/040</b>	KC025040A11	11	11	32	18	75.5	70	75	41.5
<b>030/040</b>	KC030040A11	14	11	35	18	77	75	75	40
<b>030/050</b>	KC030050A14	14	14	37.5	24	82.5	75	89	40
	KC030063A14	14	14	37.5	24	86.5	75	89	42
	KC030063A19	14	19	37.5	34	96.5			
<b>040/075</b>	KC040075A19	18	19	40	33.5	96	87	96	41
<b>040/090</b>	KC040090A24	18	24	40	43.5	106	87	96	41
<b>050/110</b>	KC050110A28	25	28	53.5	50	134	100	115	56.5
<b>063/130</b>	KC063130A28	25	28	57.5	48	127	110	115	47
<b>063/150</b>	KC063150A38	25	38	105	70	193	110	155	52

### BC Boccola di riduzione in acciaio / Metal shaft sleeves



<b>D2</b>	11	14	19	19	24	24	28	28	38	38	42
<b>D1</b>	9	11	11	14	14	19	19	24	24	28	38
<b>CODICE / CODE</b>	BC1109	BC1411	BC1911	BC1914	BC2414	BC2419	BC2819	BC2824	BC3824	BC3828	BC4238