

Data Sheet

Electric motor Type		1RP180M-4/8 - 18,5/4,50kW - 1470/730rpm - 400V - 50Hz			
Standard - Type		IEC60034	Tapped Wound		
Insulation class		F/B			
Temperatures		-20°C / 40°C			
Connection - Phases		YY	Y	YY	Y
Tension	V	400	400	480	480
Frequency	Hz	50	50	60	60
Output	kW	18,50	4,50	22,20	5,40
Speed	min ⁻¹	1.470	730	1764	876
Current	A	35,30	14,20	35,30	14,20
Efficiency	%	100%	75%	50%	
		90,0/83,0	90,3/81,7	89,5/77,8	
Cos φ		100%	75%	50%	
		0,84/0,55	0,79/0,46	0,69/0,35	
Starting Current	la/In	6,7/3,7			
No Load Current	A	15,7/12,2	400V 50Hz		
Nominal Torque	Nm	120,2/58,9			
Starting Torque	Ms/Mn	2/1,7			
Maximum Torque	Mmax/Mn	3/2,9			
Construction		Cast Iron			
Mounting position		B3-feet-horizontal			
Protection		IP 55			
Cooling method		IC411			
Duty type		S1			
Tropical treatment		95%			
Max. altitude A.S.L.		1000 m			
Paint (body / fan cover)		RAL5010			
Terminal Box Position		Left-D3			
Cable entries		2 x M40x1,5			
Direction of rotation		← / →			
Drain hole		Lowest point-with plug			
Bearing DE		6311 ZZ C3			
Bearing NDE		6311 ZZ C3			
Shaft dimensions	mm	48 x 110			
Oilseals DE / NDE	mm	55 x 75 x 5,5	55 x 75 x 5,5		
Balancing (Class)		Half Key	A (IEC 60034-14)		
Moment of inertia	J	0,2236	kgm ²		
Sound level - L(p)A	dB(A)	69/63	50Hz - at 1m - no load		
Weight	Kg	190,0			
HS Code		85015230 90			