



TECHNICAL DATA SHEET

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Three- phase synchronous motors

Motor type	Power(kW)	Vdrive(V)	Hz	Poles	Enclosure
WST112-1800-5.5	5.5	400	90	6	IC411

Nameplate Details

Rated Current(A)	Rated Speed(rpm)	Insulation Class	Protection	Duty class	Mounting
11	1800	F	IP55	S1	B3/B5/B14/B35/B34
At 20℃ BEMF(V)	Efficiency(%)	Ambient Temperature(℃)		Weight(kg)	Ref.serial number
288	92,8	40		28,7	
Bearing Type(DE)	6306-2Z/C3			Bearing Type (NDE)	6205-2Z/C3

Load Characteristics Data

Load (%)	25%	50%	75%	100%	Torque and Current Figures(F.L)	
Current (A)	3,1	5,8	8,4	11	Peak torque ratio	2,4
Efficiency(%)	84	90,1	92	92,8	Peak current ratio	2,6
Power Factor						

Factory pre-delivery test

No Load Test						
Amps(A)	Watts(W)	BEMF(V)				
0,36	238	288				

Additional Information

L_d(mH)	6,41	L_q(mH)	17,1
Vibration(p-p)-mm/s	1,6	Noise Level-dB(A)	67
Temperature Rise(Class)	40K	Winding Resistance(Phase Ends)	0.308Ω

Options
