

BUSCK

TECHNICAL DATA SHEET

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Three- phase synchronous motors

Motor type	Power(kW)	Vdrive(V)	Hz	Poles	Enclosure	
WST90-1800-3.0	3.0	400	90	6	IC411	
Nameplate Details						
Rated Current(A)	Rated Speed(rpm)	Insulation Class	Protection	Duty class	Mounting	
6.0	1800	F	IP55	S1	B3/B5/B14/B35/B34	
At 20°C BEMF(V)	Efficiency(%)	Ambient Temperature(°C)		Weight(kg)	Ref.serial number	
288	92,3	40		17		
Bearing Type(DE)	6205-2Z/C3			Bearing Type (NDE)	6204-2Z/C3	
Load Charactersitics Data						
Load (%)	25%	50%	75%	100%	Torque and Current Figures(F.L)	
Current (A)	1,7	3,1	4,6	6.0	Peak torque ratio	2,4
Efficiency(%)	87,6	91,5	92,3	92,3	Peak current ratio	2,6
Power Factor						
Factory pre-delivery test						
No Load Test						
Amps(A)	Watts(W)	BEMF(V)				
0,13	90	288				
Additional Information						
L_d(mH)	12,46		L_q(mH)		28,91	
Vibration(p-p)-mm/s	1,6		Noise Level-dB(A)		64	
Temperature Rise(Class)	45K		Winding Resistance(Phase Ends)		0.87Ω	
Options						