DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12795531

Frame	: 213/5T	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 57.1 kg
Design	: B	Moment of inertia (J)	: 0.0455 kgm²

Output [HP]		5
Poles		6
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		5.39
L. R. Amperes [A]		31.8
LRC [A]		5.9x(Code H)
No load current [A]		2.84
Rated speed [RPM]		1175
Slip [%]		2.08
Rated torque [kgfm]		3.09
Locked rotor torque [%]		220
Breakdown torque [%]		250
Service factor		1.15
Temperature rise		80 K
Locked rotor time		52s (cold) 29s (hot)
Noise level[2]		55.0 dB(A)
Efficiency (%)	25%	88.3
	50%	88.5
	75%	89.5
	100%	89.5
Power Factor	25%	0.34
	50%	0.58
	75%	0.70
	100%	0.77

		Drive end	Non drive end
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 114 kgf

Max. compression : 171 kgf

Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

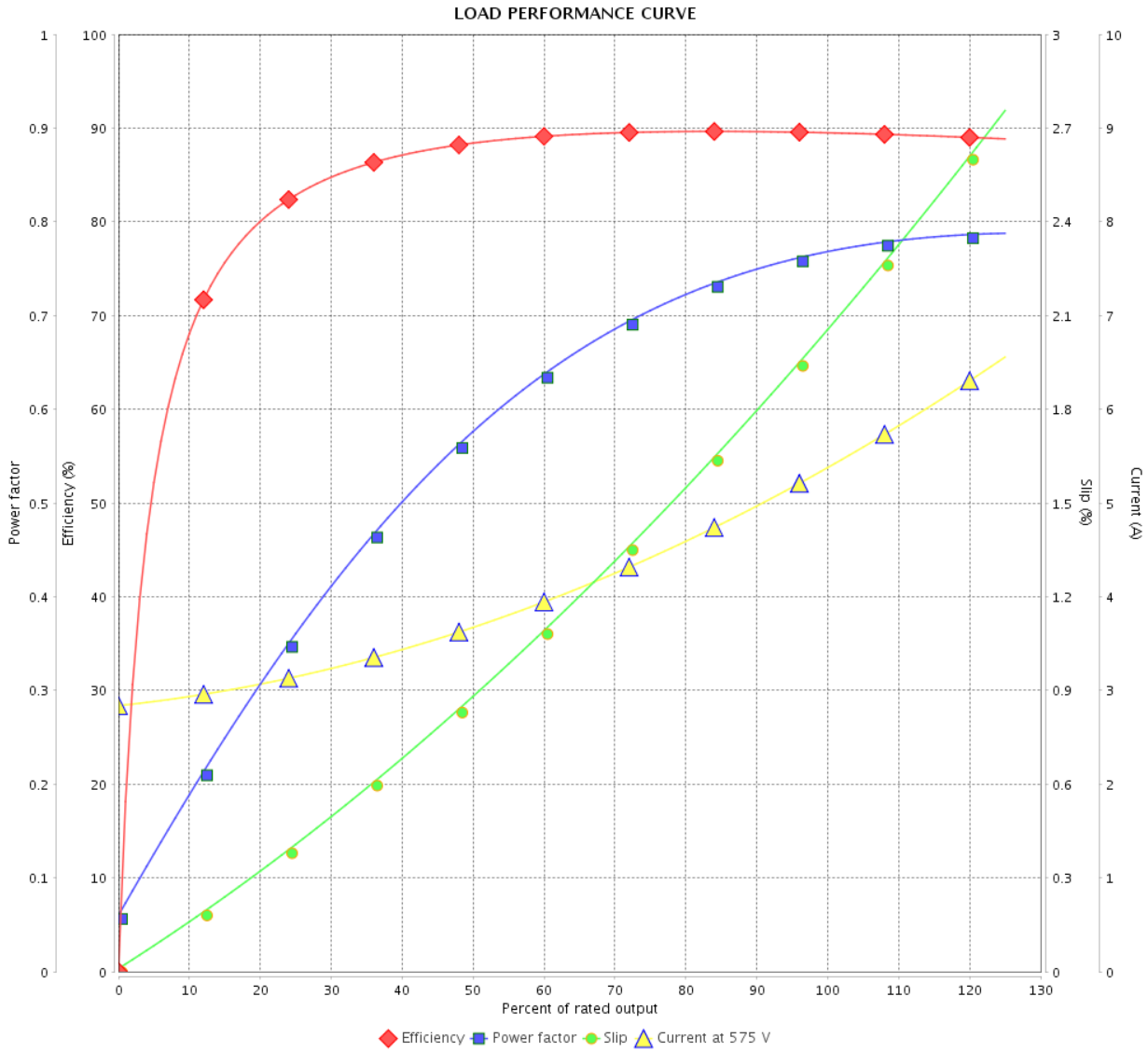
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: NEMA Premium Efficiency Three-Phase
Product code :	12795531



Performance	: 575 V 60 Hz 6P		
Rated current	: 5.39 A	Moment of inertia (J)	: 0.0455 kgm²
LRC	: 5.9	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	17/05/2022		2 / 2	