DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10792860

Frame	: 286TS
Output	: 40 HP (30 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 37.7 A
L. R. Amperes	: 241 A
LRC	: 6.4x(Code G)
No load current	: 12.8 A
Rated speed	: 3550 rpm
Slip	: 1.39 %
Rated torque	: 8.18 kgfm
Locked rotor torque	: 250 %
Breakdown torque	: 260 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.0993 kgm²
Design	: B

Locked rotor time	: 41s (cold) 23s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP23
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation[1]	: Both (CW and CCW)
Noise level[2]	: 73.0 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 160 kg

Output	25%	50%	75%	100%
Efficiency (%)	91.5	91.7	93.0	93.0
Power Factor	0.49	0.74	0.83	0.86

Foundation loads

Max. traction	: 224 kgf
Max. compression	: 384 kgf

		Drive end	Non drive end
Bearing type	:	6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 g
Lubricant type	:	Mobil Polyrex EM	

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.

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LOAD PERFORMANCE CURVE

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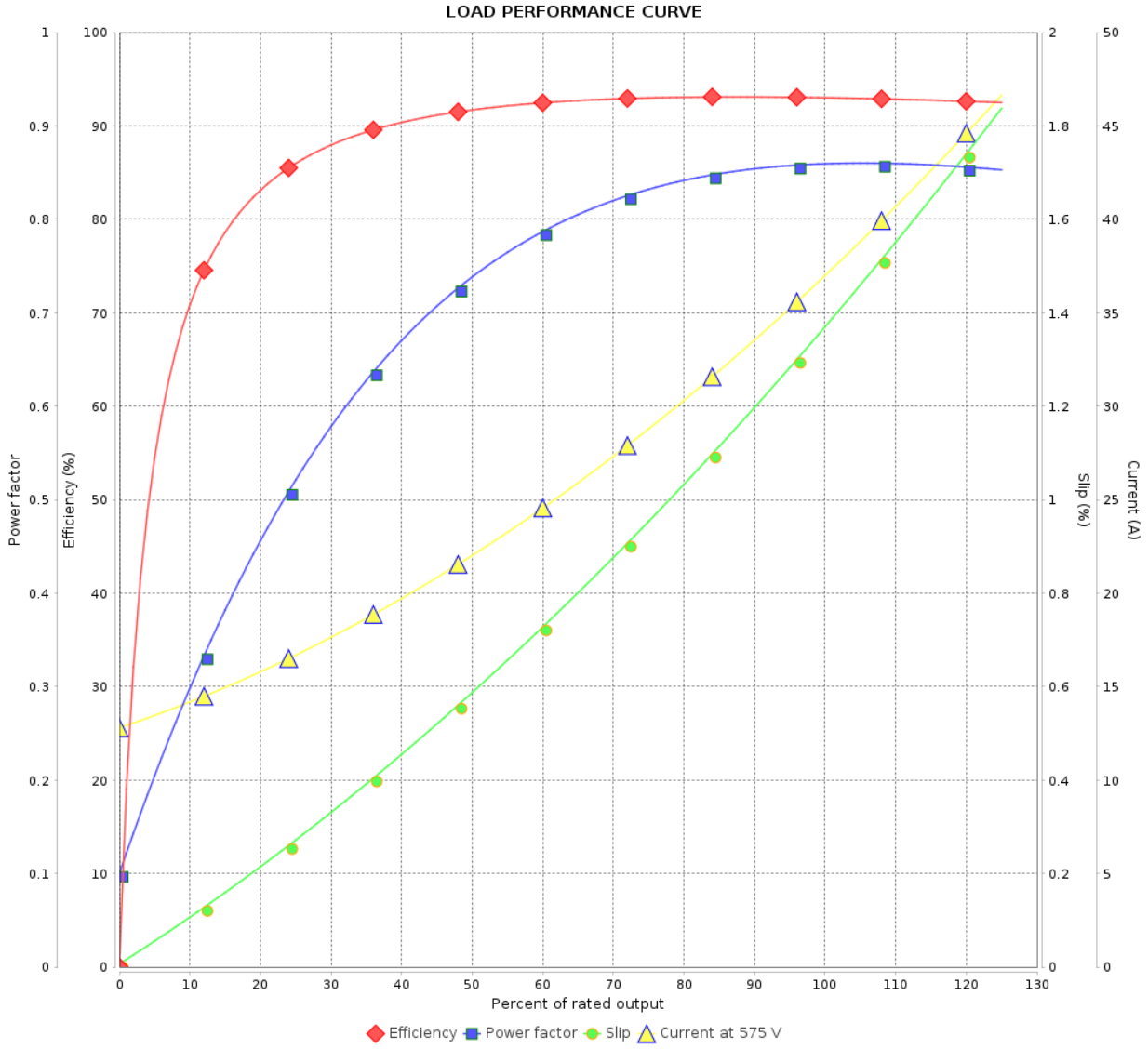
Customer	:		
Product line	: ODP NEMA Premium Efficiency Three-Phase	Product code :	10792860



Performance	: 575 V 60 Hz 2P		
Rated current	: 37.7 A	Moment of inertia (J)	: 0.0993 kgm²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 8.18 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3550 rpm	Design	: B

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