

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 13737457			
Frame : 56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Design : A	Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 16.8 kg Moment of inertia (J) : 0.0055 kgm ²			
Output [HP]	1.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	4.20/2.10			
L. R. Amperes [A]	37.0/18.5			
LRC [A]	8.8x(Code L)			
No load current [A]	2.60/1.30			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	0.619			
Locked rotor torque [%]	290			
Breakdown torque [%]	350			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	25s (cold) 14s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%			
	75%			
	100%			
Power Factor	25%			
	50%			
	75%			
	100%			
Bearing type : <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ Sealing : Without Without Bearing Seal Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 73 kgf Max. compression : 90 kgf			
Notes USABLE @208V 4.64A SF 1.00 SFA 4.64A				
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 / 4	

LOAD PERFORMANCE CURVE

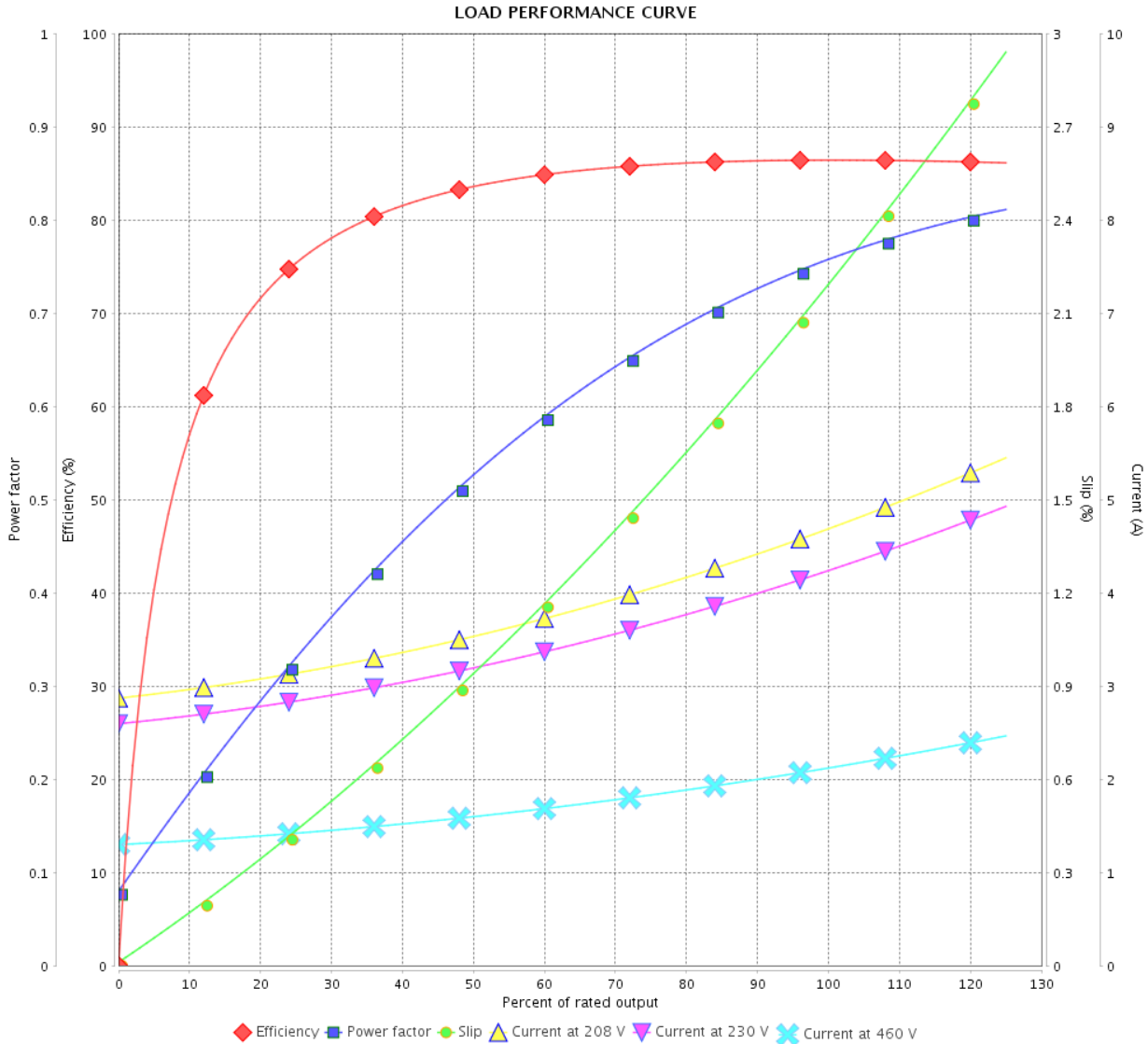
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737457



Performance : 230/460 V 60 Hz 4P

Rated current : 4.20/2.10 A
 LRC : 8.8
 Rated torque : 0.619 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 350 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 4	Revision
Checked by				
Date	17/05/2022			

LOAD PERFORMANCE CURVE

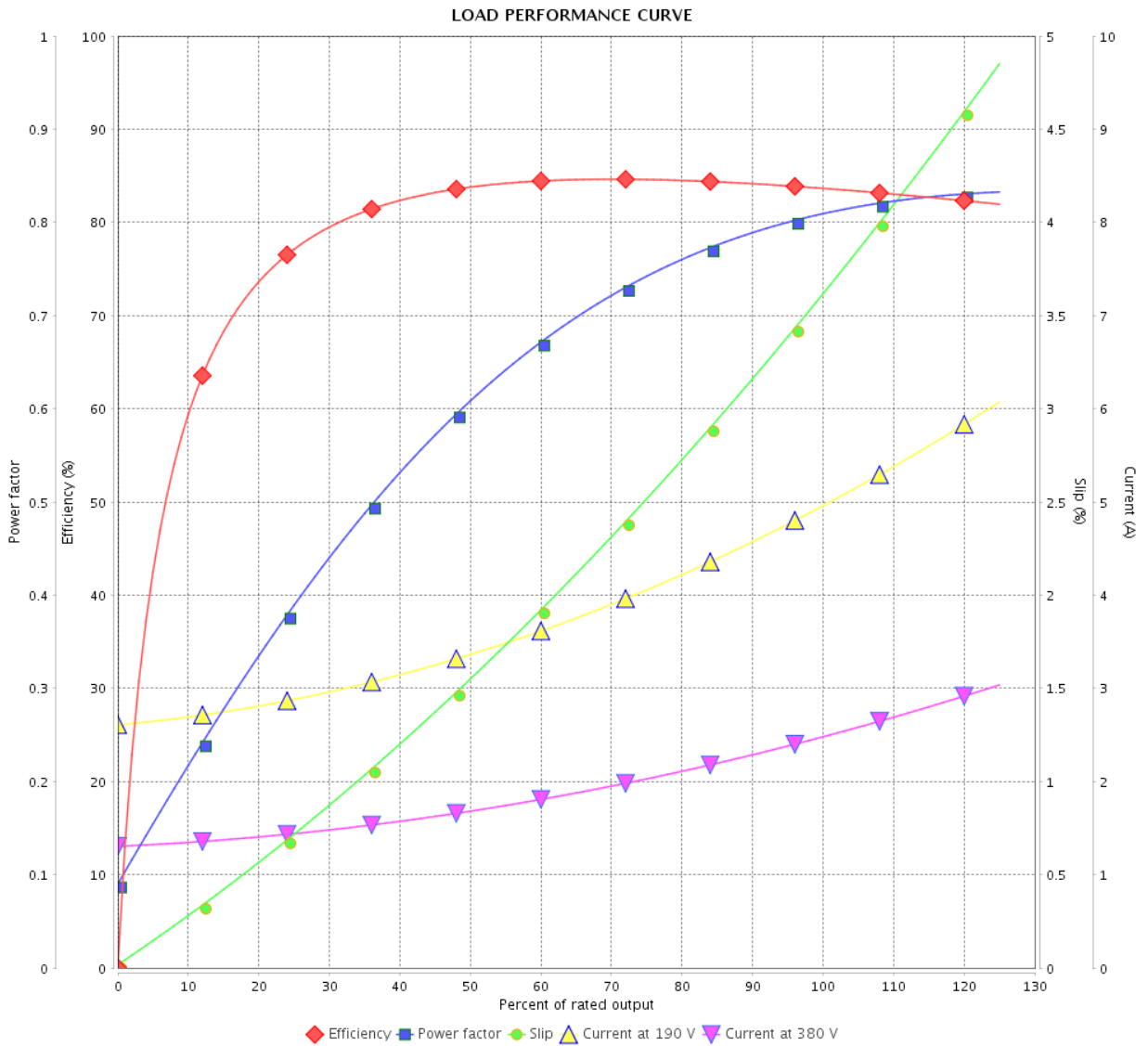
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13737457



Performance : 190/380 V 50 Hz 4P

Rated current : 4.94/2.47 A
 LRC : 6.8
 Rated torque : 0.753 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

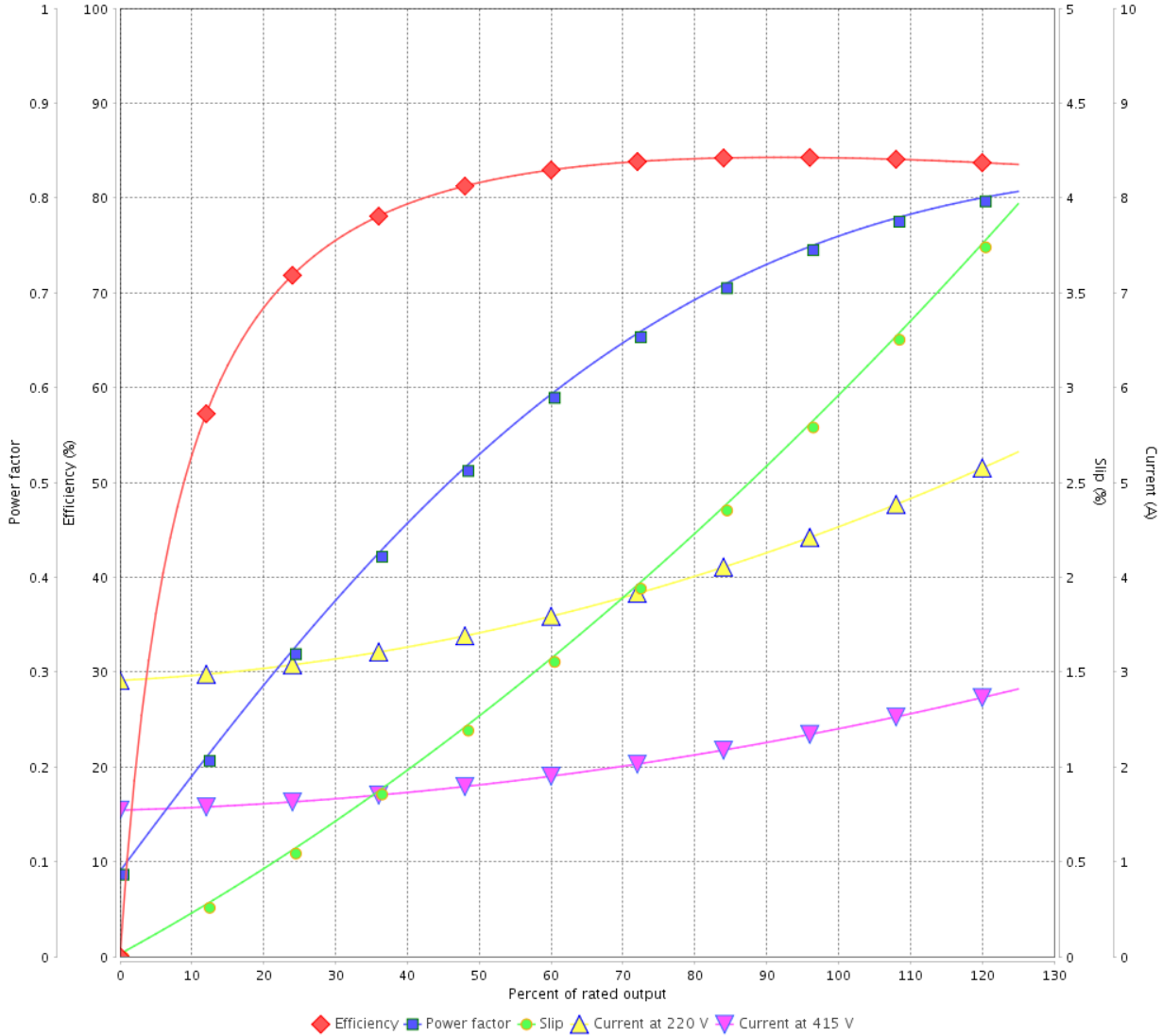


Customer :

Product line : Three-Phase

Product code : 13737457

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 4P

Rated current : 4.51/2.39 A
 LRC : 7.8
 Rated torque : 0.748 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 340 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				