

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 14733008			
Frame : W56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l.	Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>2</sup> : 6.1 kg Moment of inertia (J) : 0.0005 kgm <sup>2</sup>			
Output [HP]	0.33	0.33	0.33	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	208-230/460	190/380	220/415	
Rated current [A]	1.32-1.20/0.598	1.35/0.675	1.25/0.665	
L. R. Amperes [A]	7.79-7.06/3.53	6.08/3.04	6.02/3.19	
LRC [A]	5.9x(Code K)	4.5x(Code G)	4.8x(Code H)	
No load current [A]	0.754-0.874/0.437	0.832/0.416	0.875/0.464	
Rated speed [RPM]	3450	2785	2810	
Slip [%]	4.17	7.17	6.33	
Rated torque [kgfm]	0.069	0.086	0.085	
Locked rotor torque [%]	270	190	210	
Breakdown torque [%]	300	210	240	
Service factor		1.35	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	45s (cold) 25s (hot)	54s (cold) 30s (hot)	50s (cold) 28s (hot)	
Noise level <sup>2</sup>	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%			
	50%	59.5	61.0	
	75%	68.0	66.0	
	100%	70.0	67.0	
Power Factor	25%			
	50%	0.53	0.63	
	75%	0.66	0.76	
	100%	0.75	0.84	
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 3 kgf	
		Max. compression	: 9 kgf	
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V SF 1.00				
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

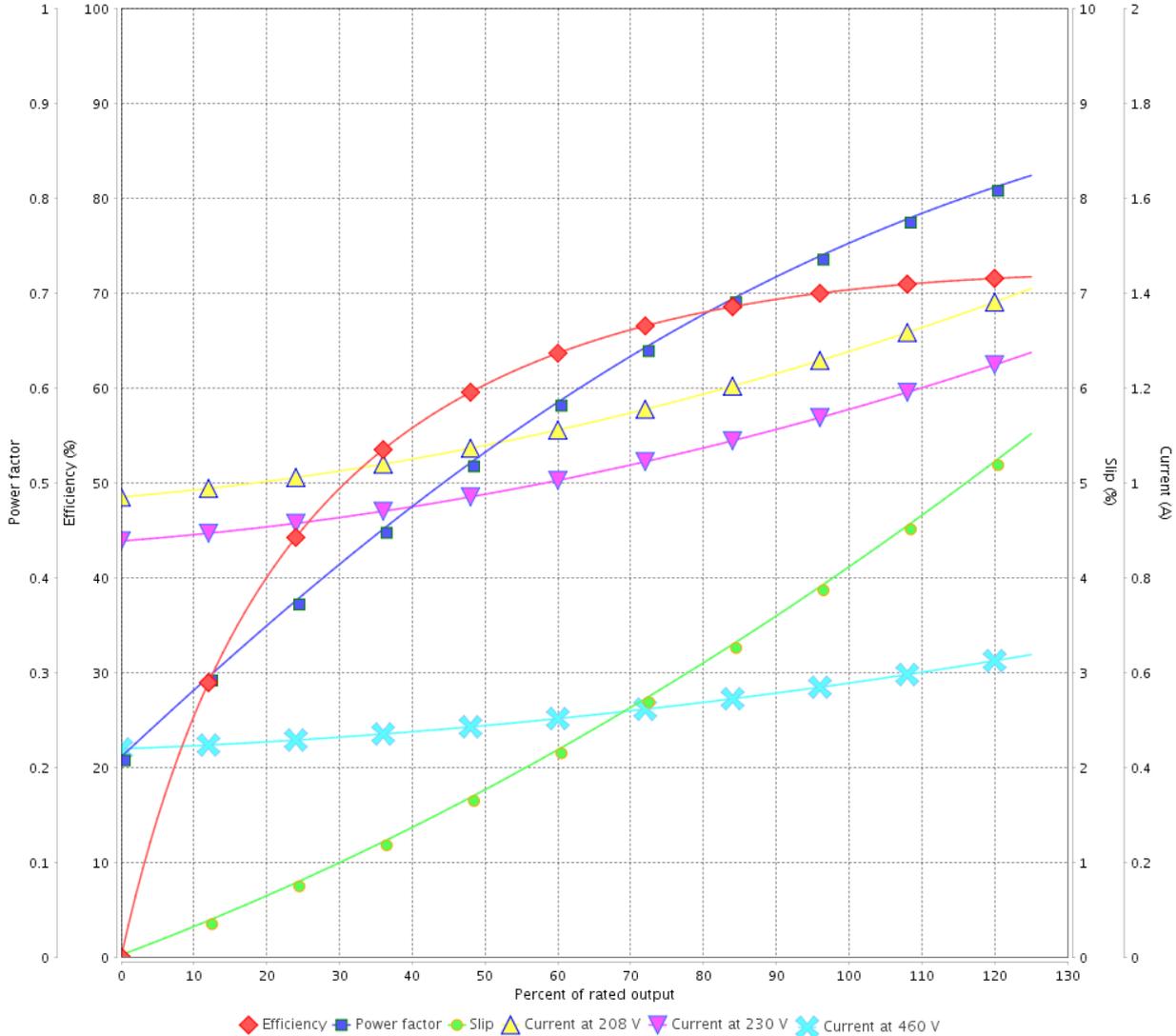


Customer :

Product line : Three-Phase

Product code : 14733008

LOAD PERFORMANCE CURVE



Performance : 208-230/460 V 60 Hz 2P

Rated current : 1.32-1.20/0.598 A  
 LRC : 5.9  
 Rated torque : 0.069 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

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

# LOAD PERFORMANCE CURVE

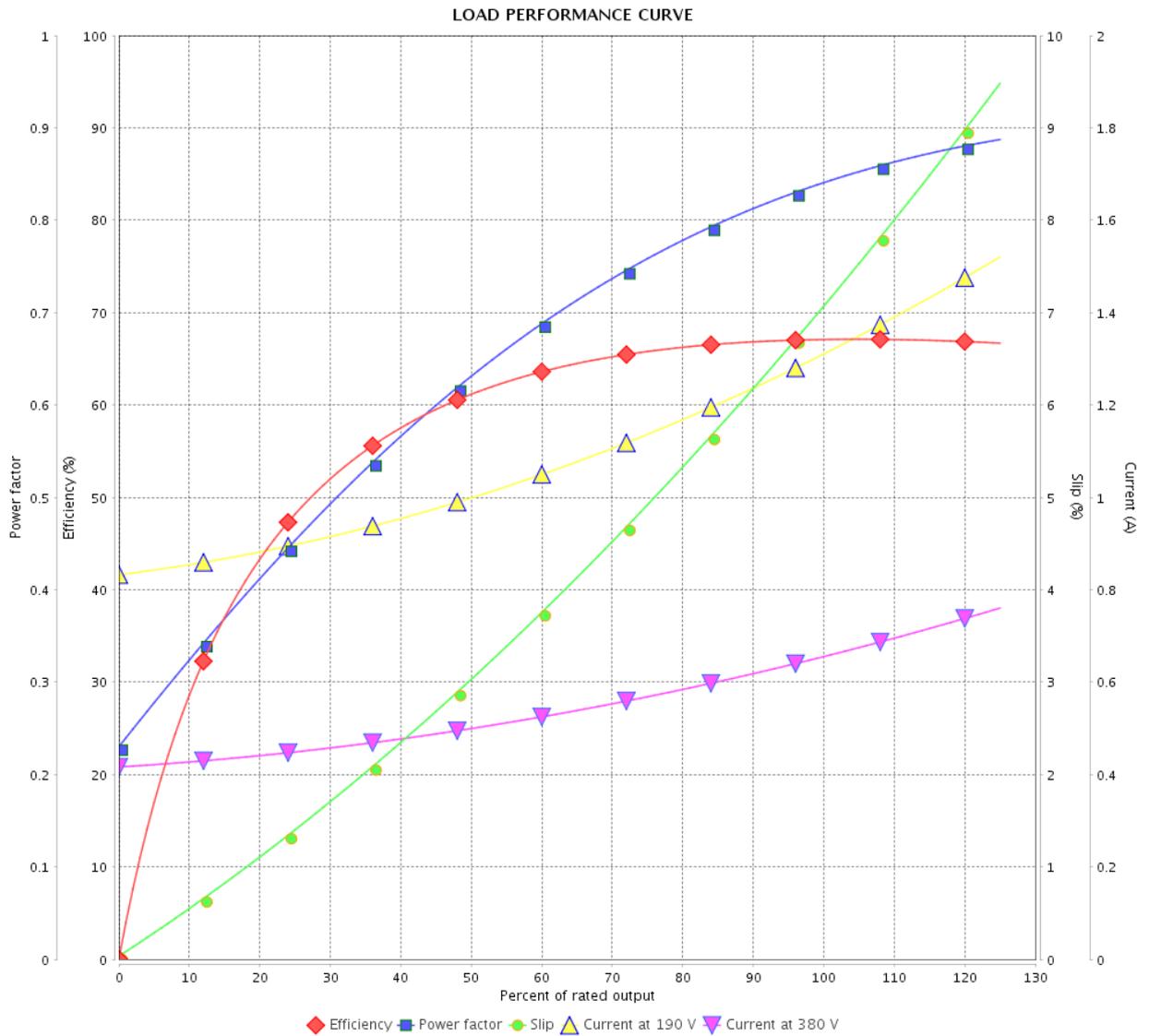
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Three-Phase

Product code : 14733008



Performance : 190/380 V 50 Hz 2P

Rated current : 1.35/0.675 A  
 LRC : 4.5  
 Rated torque : 0.086 kgfm  
 Locked rotor torque : 190 %  
 Breakdown torque : 210 %  
 Rated speed : 2785 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.35  
 Temperature rise : 80 K

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

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

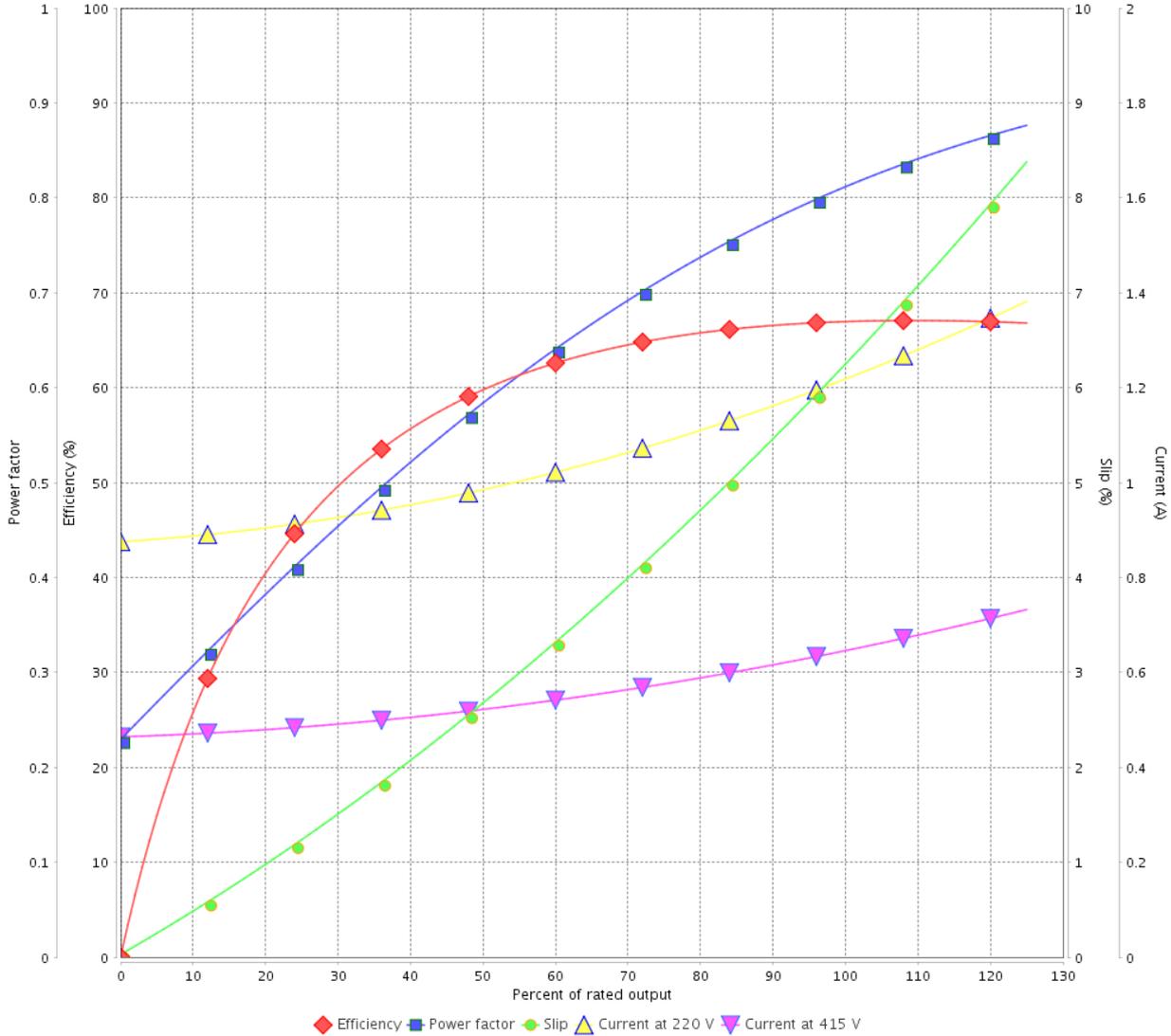


Customer :

Product line : Three-Phase

Product code : 14733008

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 2P

Rated current : 1.25/0.665 A  
 LRC : 4.8  
 Rated torque : 0.085 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 240 %  
 Rated speed : 2810 rpm

Moment of inertia (J) : 0.0005 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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