### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog #: 06036ET3E364JP-W22

Frame : 364/5JP Cooling method : IC411 - TEFC

Insulation class : F | Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW)

Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 881 lb

Protection degree	: IP55		Mome	nt of inertia (J	) : 1	0.6 sq.ft.lb	
Design	: B						
Output [HP]	60	50	50	50	60	60	60
Poles	2	2	2	2	2	2	2
Frequency [Hz]	60	50	50	50	50	50	50
Rated voltage [V]	230/460	380	400	415	380	400	415
Rated current [A]	134/67.0	65.9	63.3	61.7	81.3	77.6	74.8
L. R. Amperes [A]	884/442	415	443	457	423	450	464
LRC [A]	6.6x(Code	6.3x(Code F)	7.0x(Code	7.4x(Code H)	5.2x(Code E)	5.8x(Code F)	6.2x(Code F)
	G)		G)				
No load current [A]	30.0/15.0	15.0	16.2	17.4	15.0	16.2	17.4
Rated speed [RPM]	3560	2955	2960	2965	2945	2950	2955
Slip [%]	1.11	1.50	1.33	1.17	1.83	1.67	1.50
Rated torque [ft.lb]	88.5	88.9	88.7	88.6	107	107	107
Locked rotor torque [%]	200	190	220	229	160	180	190
Breakdown torque [%]	260	250	280	300	210	229	250
Service factor	1.25	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time	25s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)
	14s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)
Noise level <sup>2</sup>	79.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)

25% 0.60 0.60 0.57 0.53 0.65 0.62 0.59 50% 0.81 0.81 0.79 0.76 0.85 0.83 0.81 Power Factor 75% 0.88 0.88 0.87 0.85 0.90 0.89 0.88 100% 0.90 0.91 0.90 0.89 0.91 0.90 0.90 Drive end Non drive end Foundation loads Bearing type 6314 C3 6314 C3 Max. traction : 472 lb

Lip Seal

90.7

91.7

92.8

93.7

90.7

91.6

92.9

93.7

Max. compression

92.7

92.4

93.0

92.4

92.2

92.4

93.0

93.0

: 1353 lb

92.2

92.4

93.0

93.0

91.1

92.1

92.8

93.7

Lubrication interval : 4000 h 4000 h
Lubricant amount : 27 g 27 g
Lubricant type : Mobil Polyrex EM

91.0

91.7

93.0

93.6

Lip Seal

Notes

Sealing

Efficiency (%)

USABLE @208V 148A SF 1.10 SFA 163A

25%

50%

75%

100%

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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#### Three Phase Induction Motor - Squirrel Cage



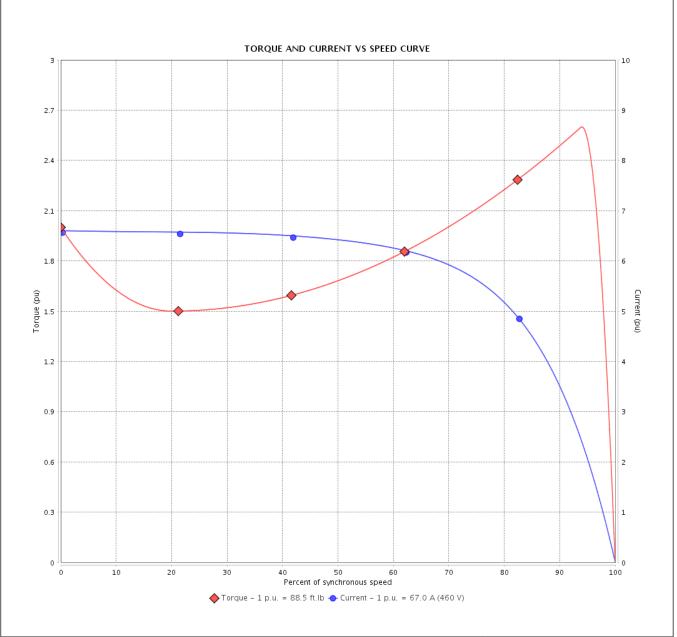
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance : 230/460 V 60 Hz 2P Rated current : 134/67.0 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 88.5 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B

Locked rotor time : 25s (cold) 14s (hot)

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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11901338 Catalog #: 06036ET3E364JP-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Torque (pu) Current 1.2 0.6 0.3 40 50 60 Percent of synchronous speed ◆ Torque - 1 p.u. = 88.9 ft.lb ◆ Current - 1 p.u. = 65.9 A (380 V) : 380 V 50 Hz 2P IE3 Performance Rated current : 65.9 A Moment of inertia (J) : 10.6 sq.ft.lb LRC : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 88.9 ft.lb : F Locked rotor torque Service factor : 1.00 : 190 %

		. · · · · · · · · · · · · · · · · · · ·		: 80 K : B	
e : 2	1s (cold) 12s (ho	ot)			
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	: 29 e : 2	: 2955 rpm e : 21s (cold) 12s (ho Changes Sumr	: 2955 rpm Design  e : 21s (cold) 12s (hot)  Changes Summary	: 2955 rpm Design  e : 21s (cold) 12s (hot)  Changes Summary Performed	: 2955 rpm Design : B  e : 21s (cold) 12s (hot)  Changes Summary Performed Checked  Page

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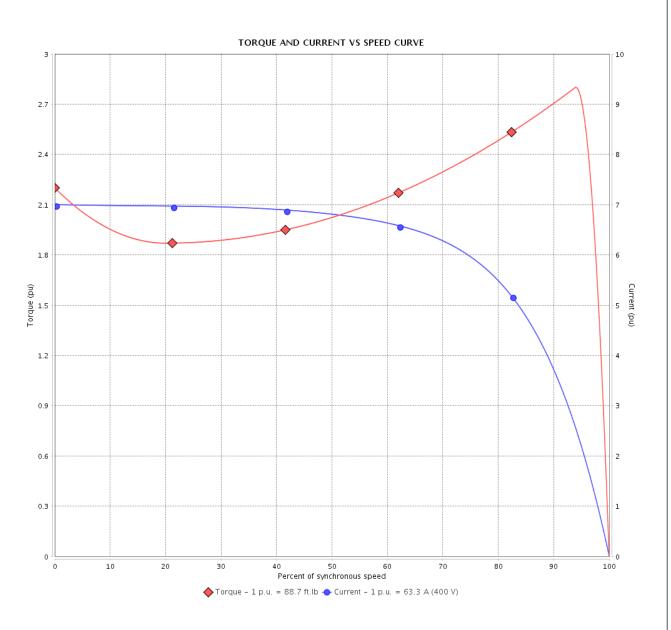


Customer

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 06036ET3E364JP-W22

11901338



Performance : 400 V 50 Hz 2P IE3 Rated current : 63.3 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) : 88.7 ft.lb Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B Locked rotor time

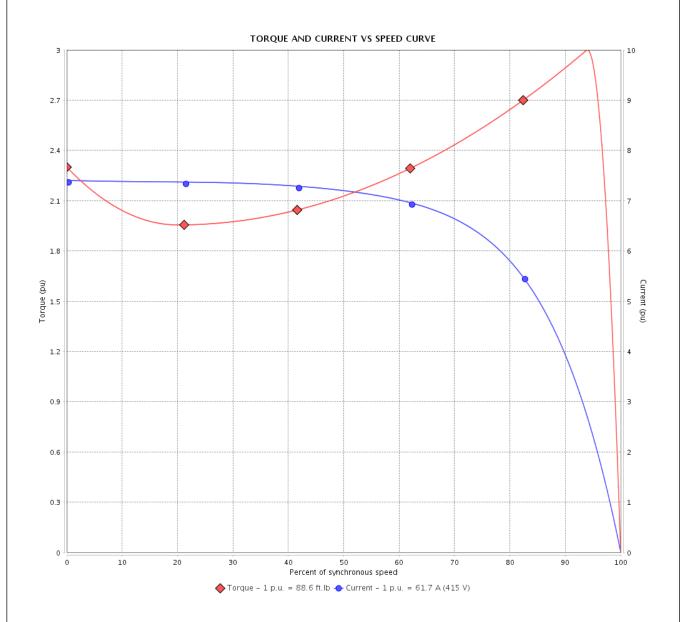
: 21s (cold) 12s (hot)

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#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11901338 Catalog #: 06036ET3E364JP-W22



Performance	: 415 V 50 Hz 2P IE3			
Rated current	: 61.7 A	Moment of inertia (J)	: 10.6 sq.ft.lb	
LRC	: 7.4	Duty cycle	: Cont.(S1)	
Rated torque	: 88.6 ft.lb	Insulation class	: F	
Locked rotor torque	: 229 %	Service factor	: 1.00	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 2965 rpm	Design	: B	
Locked rotor time	: 21s (cold) 12s (hot)			

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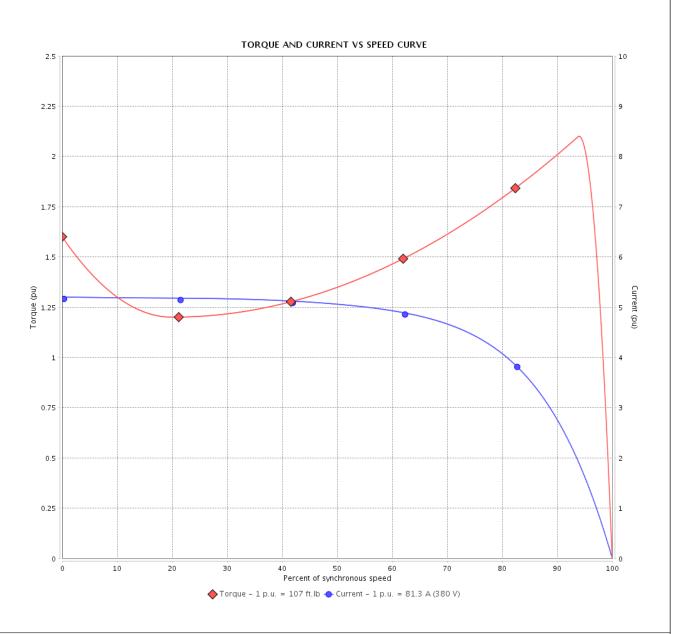


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog # : 06036ET3E364JP-W22



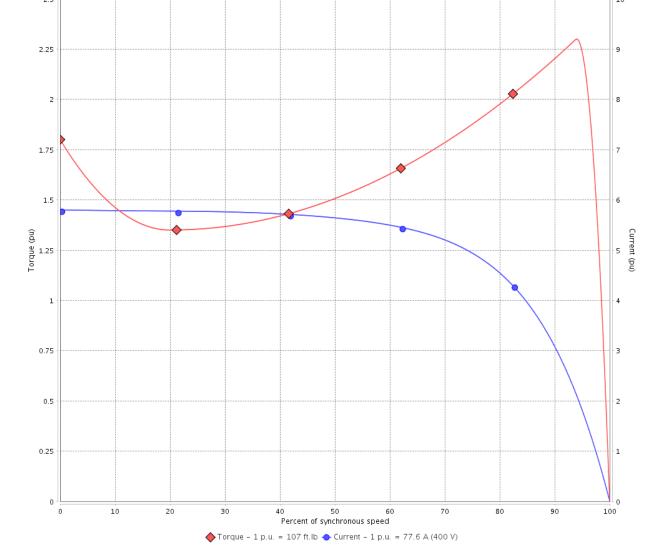
Performance : 380 V 50 Hz 2P IE1 Rated current : 81.3 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) : 107 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 160 % : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 2945 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11901338 Catalog #: 06036ET3E364JP-W22 TORQUE AND CURRENT VS SPEED CURVE 2.25



Performance	: 400 V 50 Hz 2P IE2		
Rated current	: 77.6 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 2950 rpm	Design	: B
Locked rotor time	: 21s (cold) 12s (hot)	L	

Locked rotor time	: 21s (cold) 12s (hot)
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#### Three Phase Induction Motor - Squirrel Cage



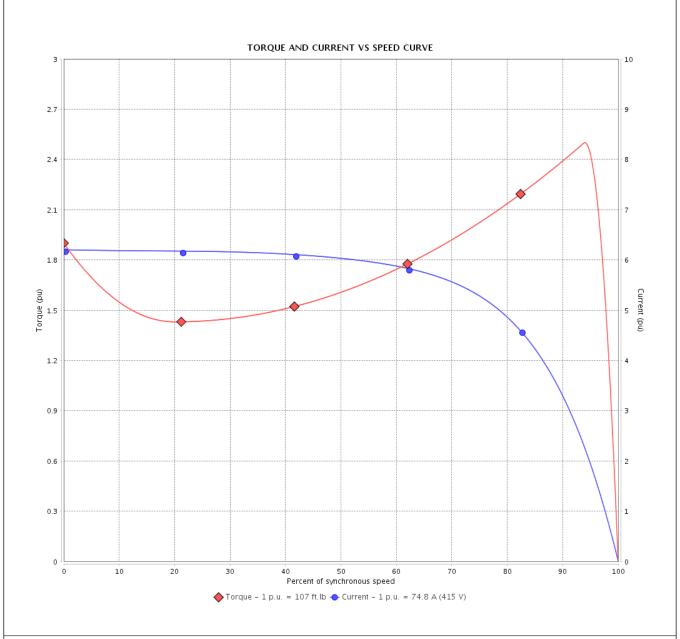
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance : 415 V 50 Hz 2P IE2 Rated current : 74.8 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 107 ft.lb : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 105 K Rated speed : 2955 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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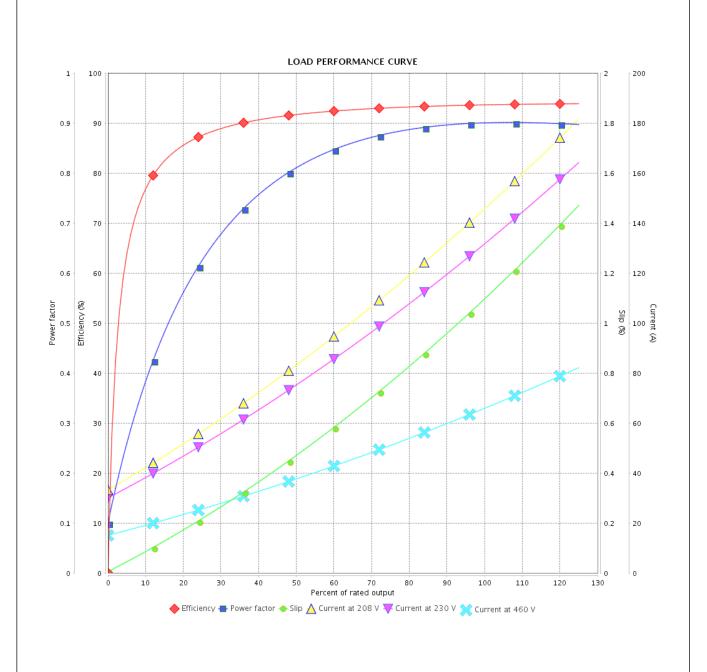


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog #: 06036ET3E364JP-W22



Performance	: 2	30/460 V 60 Hz 2P				
Rated current	: 1	: 134/67.0 A Moment of inert		f inertia (J)	: 10.6 sq.ft.lb	
LRC	: 6	.6	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 8	8.5 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	00 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	60 %	Temperature rise		: 80 K	
Rated speed	: 3	560 rpm	Design		: B	
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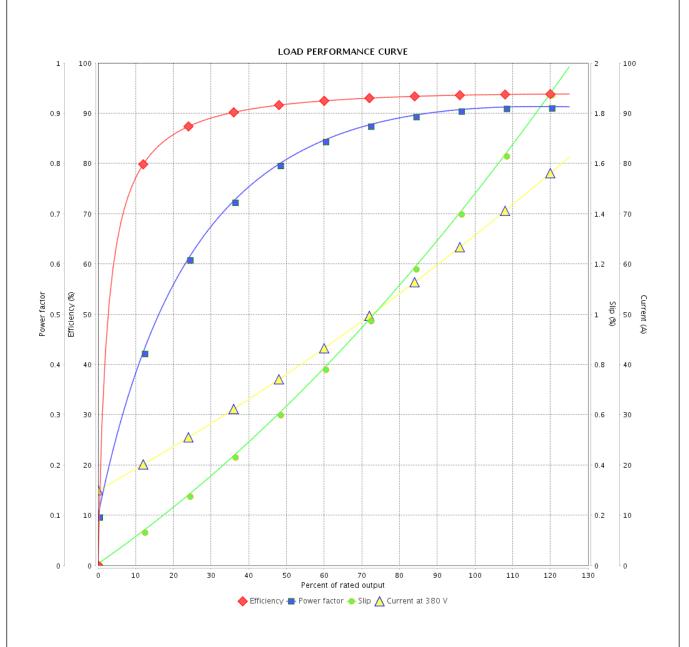
Product line : NEMA Premium Efficiency Three- Pro

Phase

Product code: 11901338

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Performance	: 380 V 50 Hz 2P IE3				
Rated current : 65.9 A		Moment o	f inertia (J)	: 10.6 sq.ft.lb	
LRC	: 6.3	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 88.9 ft.lb	Insulation	class	: F	
Locked rotor torque	: 190 %	Service factor		: 1.00	
Breakdown torque	: 250 %	7 Temperature rise		: 80 K	
Rated speed	: 2955 rpm	Design		: B	
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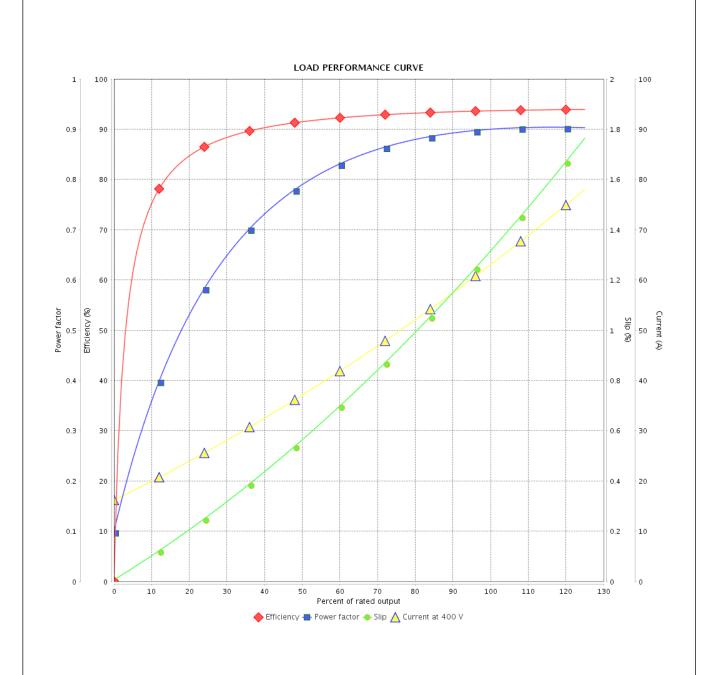
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Product line : NEMA Premium Efficiency Three- Product code :

Phase

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Performance	:	400 V 50 Hz 2P IE3				
Rated current	:	63.3 A	Moment o	f inertia (J)	: 10.6 sq.ft.lb	
LRC	:	7.0	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	:	88.7 ft.lb	Insulation	class	: F	
Locked rotor torque		220 %	Service fa	ctor	: 1.00	
Breakdown torque	:	280 %	80 % Temperature rise		: 80 K	
Rated speed	:	2960 rpm	Design		: B	
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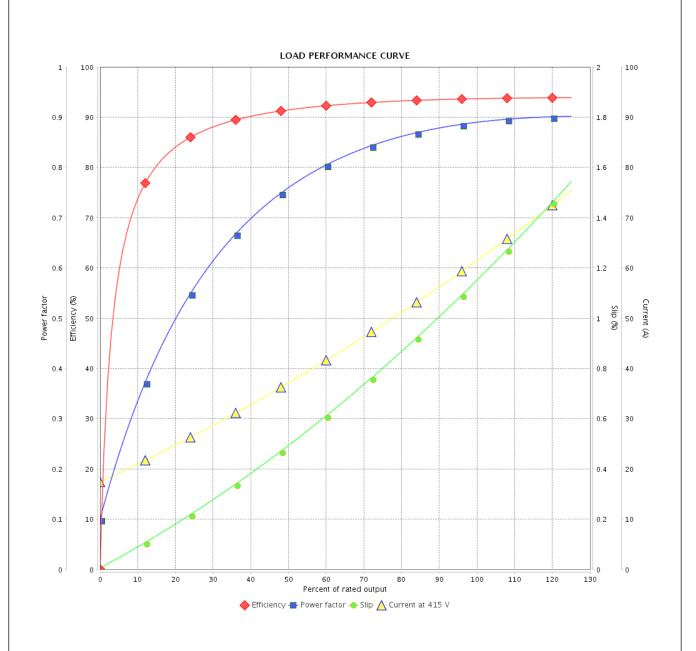
Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

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		<del></del>			
Performance	: 415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 61.7 A : 7.4 : 88.6 ft.lb : 229 % : 300 % : 2965 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 10.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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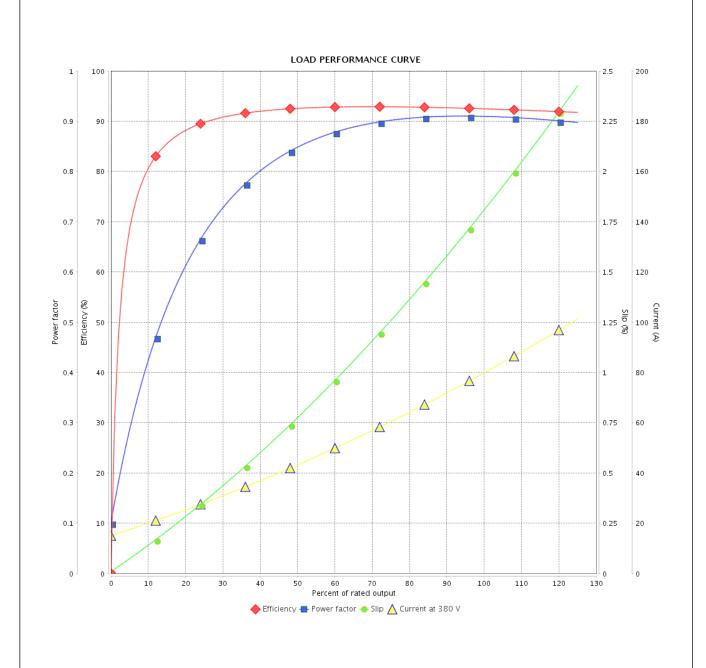
#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance	: 3	380 V 50 Hz 2P IE1				
Rated current	: 8	31.3 A	A Moment of inertia (J)		: 10.6 sq.ft.lb	
LRC	: 5	5.2	Duty cycle	)	: Cont.(S1)	
Rated torque :		107 ft.lb	Insulation	class	: F	
Locked rotor torque		160 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	210 %	Temperature rise		: 105 K	
Rated speed	: 2	2945 rpm	Design		: B	
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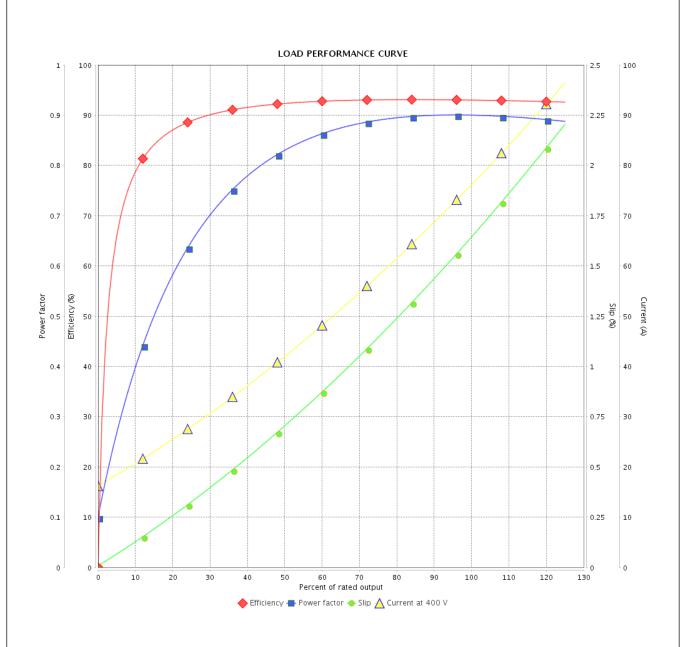
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance : 400 V 50 Hz 2P IE2 : 77.6 A Rated current Moment of inertia (J) : 10.6 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.8 Insulation class Rated torque : 107 ft.lb : F Locked rotor torque : 180 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 2950 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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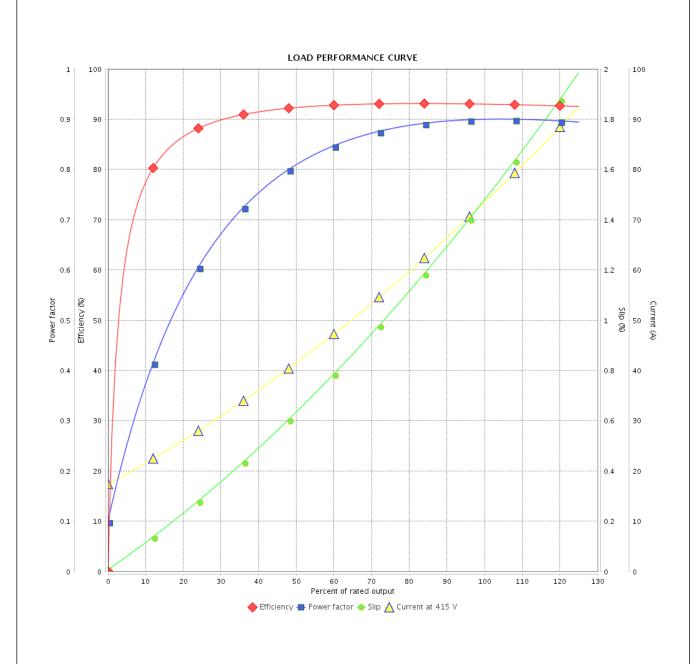


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Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog #: 06036ET3E364JP-W22



Performance	: 4	: 415 V 50 Hz 2P IE2				
Rated current	ted current : 74.8 A		Moment o	f inertia (J)	: 10.6 sq.ft.lb	
LRC	: 6	5.2	Duty cycle	}	: Cont.(S1)	
Rated torque	: 1	07 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :1	90 %	Service fa	ctor	: 1.00	
Breakdown torque		250 %	Temperatu	Temperature rise		
Rated speed		955 rpm Design		: B		
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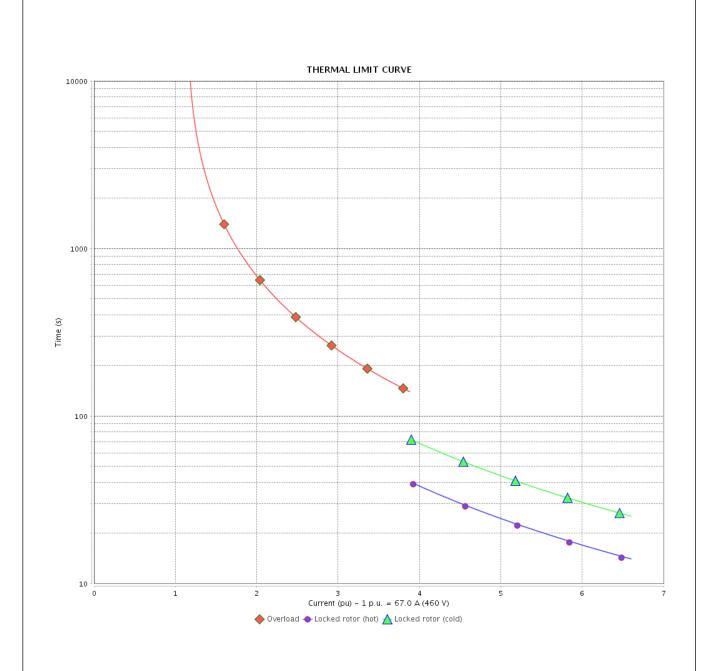


Customer	:				_	
Product line		NEMA Premium Efficiency hase		Product code :	11901338 06036ET3E36	64JP-W22
Performance Rated current LRC Rated torque Locked rotor torque	: 13 : 6. : 88 : 20	3.5 ft.lb 00 %	Duty cycle Insulation Service fa	class ctor	: 10.6 sq.ft.lb : Cont.(S1) : F : 1.25	
Breakdown torque Rated speed  Heating constant		60 % 560 rpm	Temperatu Design	ire rise	: 80 K : B	
Cooling constant  Rev.		Changes Summary		Performed	Checked	Date
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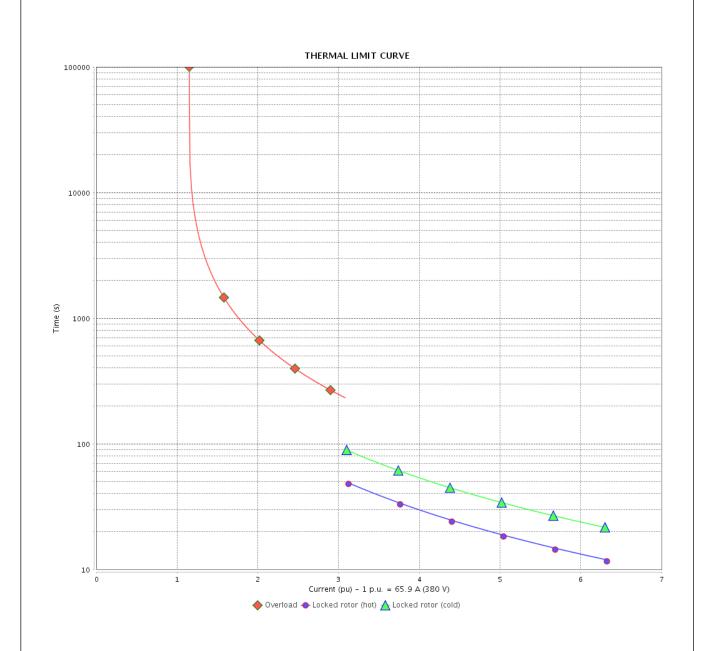


Customer	:				
Product line	: NEMA Premium Efficien Phase		Product code : Catalog # :	11901338 06036ET3E3	64JP-W22
Performance Rated current LRC	: 380 V 50 Hz 2P IE3 : 65.9 A : 6.3	Moment c	of inertia (J)	: 10.6 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque Rated speed	: 88.9 ft.lb : 190 % : 250 % : 2955 rpm	Insulation Service fa Temperati Design	class actor	: F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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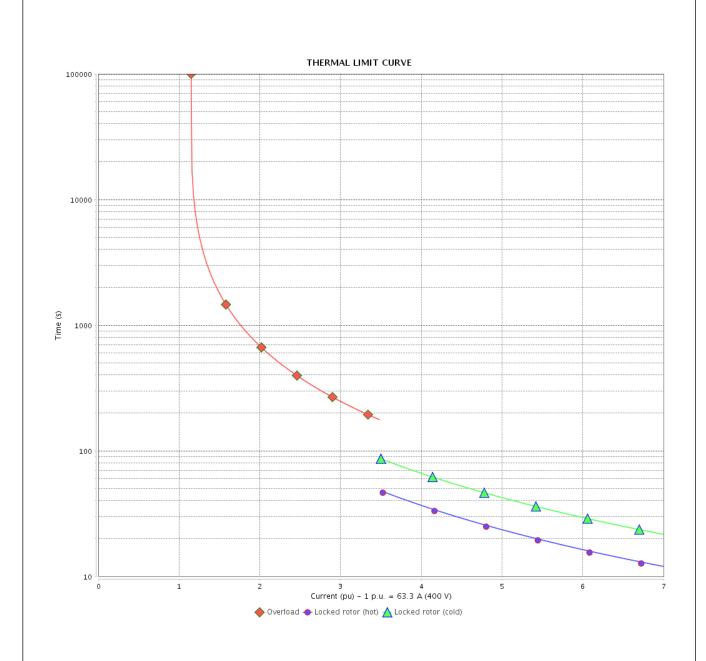


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11901338	
				Catalog # :	06036ET3E3	64JP-W22
Performance		: 400 V 50 Hz 2P IE3				
Rated current		: 63.3 A	Moment of	of inertia (J)	: 10.6 sq.ft.lb	
LRC Rated torque		: 7.0 : 88.7 ft.lb	Duty cycle Insulation	е	: Cont.(S1) : F	
Locked rotor tord	que	: 220 %	Service fa		: 1.00	
Breakdown torqu	ue	: 280 %	Temperat	ure rise	: 80 K	
Rated speed		: 2960 rpm	Design		: B	
Heating constant Cooling constant						
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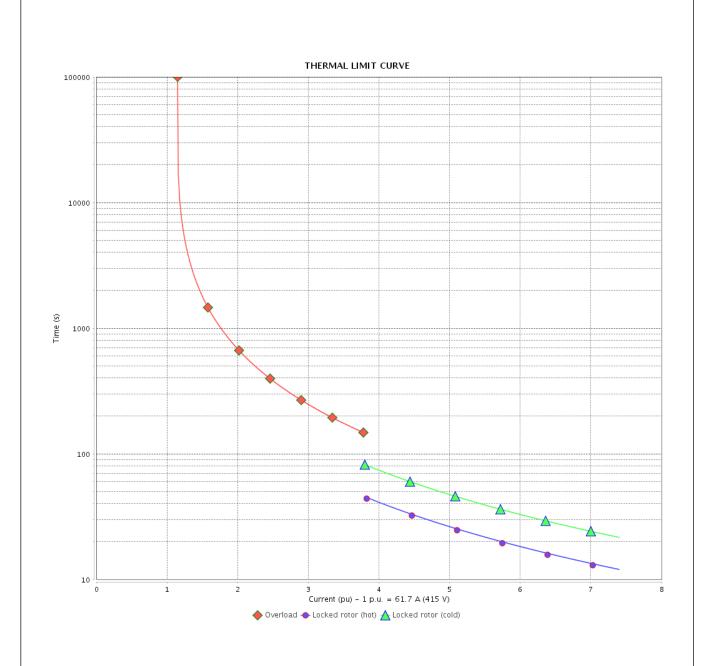


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Product line		NEMA Premium Efficiency Thase	Three- I	Product code :	11901338	
		1830	(	Catalog # :	06036ET3E36	64JP-W22
Performance		15 V 50 Hz 2P IE3	Manus	Cim and in 7 IV	.400 . 6"	
Rated current LRC	: 61 : 7.	I.7 A 4	Moment of Duty cycle	r inerτia (J)	: 10.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 88	3.6 ft.lb	Insulation	class	: F	
Locked rotor torque		29 % 00 %	Service fac		: 1.00 : 80 K	
Breakdown torque Rated speed		965 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant						
Cooling constant						
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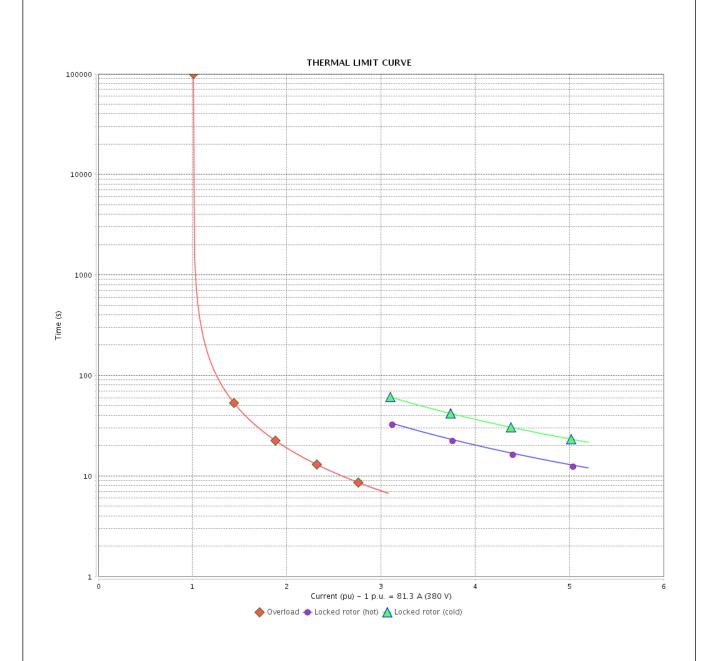


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11901338 06036ET3E3	64JP-W22
Performance	: 380 V 50 Hz 2P IE1	N4	finantic (I)	. 40.0	
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 81.3 A : 5.2 : 107 ft.lb : 160 % : 210 % : 2945 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 10.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant					
Cooling constant					
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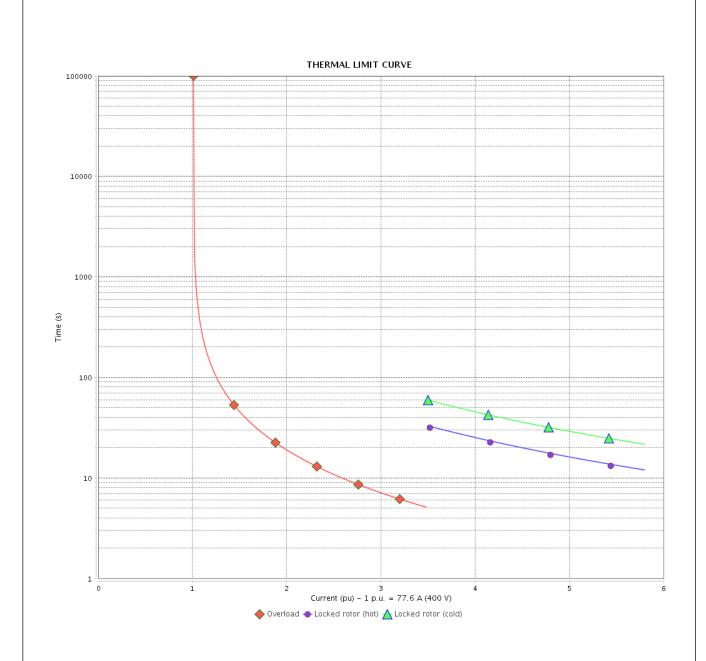


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11901338 06036ET3E36	34JP-W22
Performance		: 400 V 50 Hz 2P IE2				
Rated current LRC		: 77.6 A : 5.8	Duty cycle		: 10.6 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 107 ft.lb : 180 %	Insulation Service fa		: F : 1.00	
Breakdown torqu		: 229 %	Temperat		: 1.00 : 105 K	
Rated speed		: 2950 rpm	Design		: B	
Heating constant						
Cooling constant	τ	Changes Summers		Performed	Checked	Data
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### Three Phase Induction Motor - Squirrel Cage

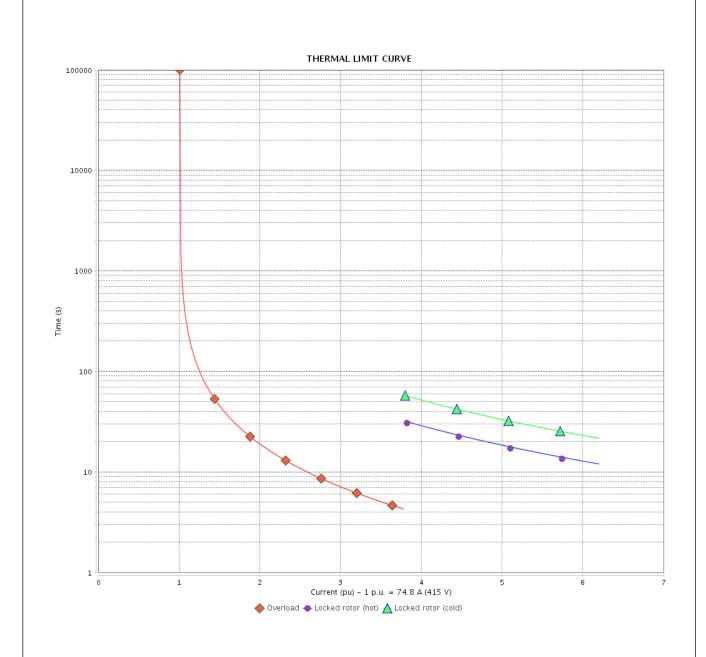


Customer	:			
Product line	: NEMA Premium Efficiency Phase		11901338	
		Catalog # :	06036ET3E3	64JP-W22
Performance	: 415 V 50 Hz 2P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 74.8 A : 6.2 : 107 ft.lb : 190 % : 250 % : 2955 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 10.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
	·			
Heating constant				
Cooling constant  Rev.	Changes Summary	Performed	Checked	Date
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### Three Phase Induction Motor - Squirrel Cage



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#### Three Phase Induction Motor - Squirrel Cage



Customer :

Date

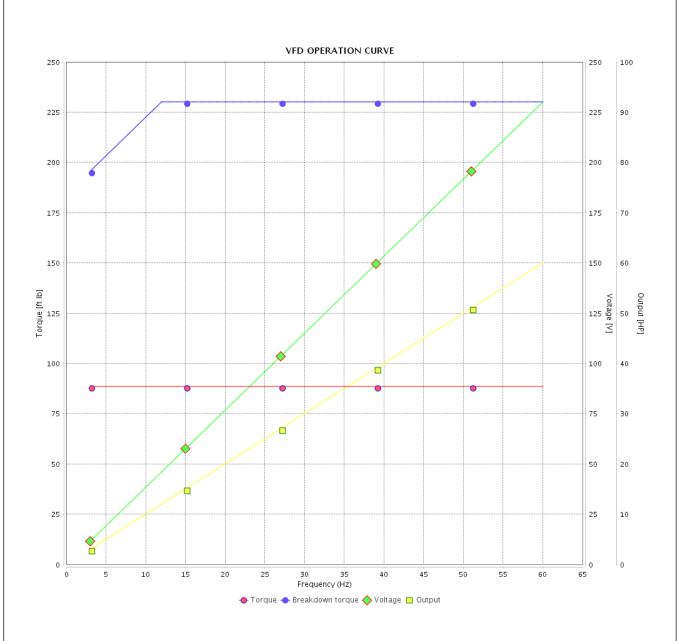
13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance : 230/460 V 60 Hz 2P : 134/67.0 A Rated current Moment of inertia (J) : 10.6 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.6 Insulation class Rated torque : 88.5 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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#### Three Phase Induction Motor - Squirrel Cage



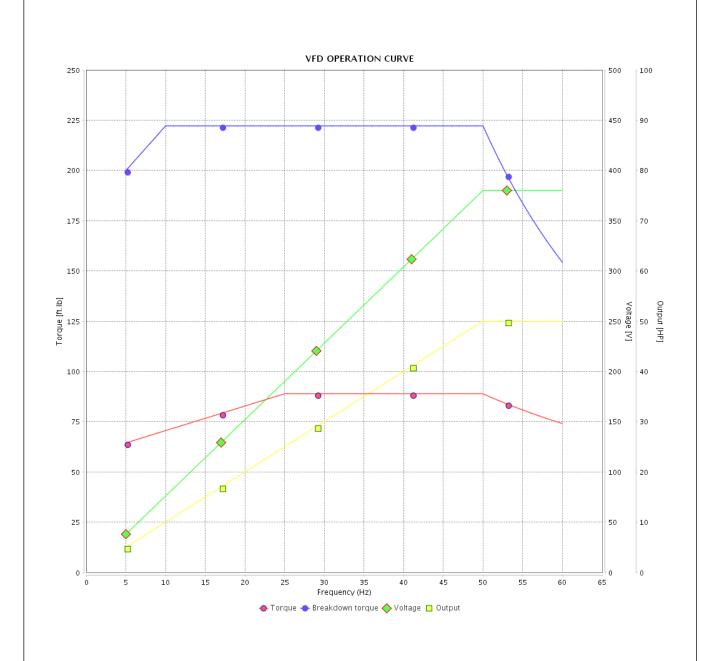
Customer

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance	: 38	80 V 50 Hz 2P IE3				
Rated current	: 6	: 65.9 A Momer		f inertia (J)	: 10.6 sq.ft.lb	
LRC	: 6	3	Duty cycle	)	: Cont.(S1)	
Rated torque	: 88	8.9 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 19	90 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	50 %	Temperature rise		: 80 K	
Rated speed	: 29	955 rpm	Design		: B	
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#### Three Phase Induction Motor - Squirrel Cage



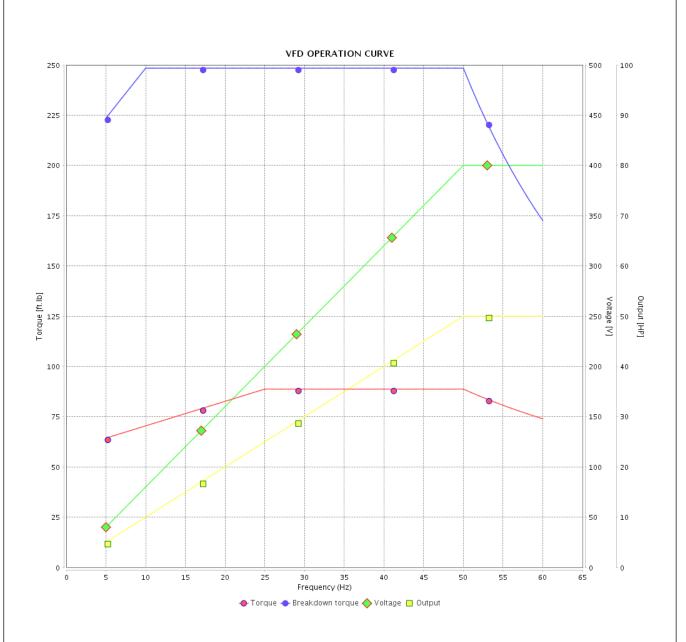
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22



Performance	: 400 V 50 Hz 2P IE3				
Rated current			: 10.6 sq.ft.lb		
LRC	: 7.0	Duty cycle		: Cont.(S1)	
Rated torque	: 88.7 ft.lb	Insulation of	class	: F	
Locked rotor torque	: 220 %	Service fac	tor	: 1.00	
Breakdown torque	: 280 %	Temperature rise		: 80 K	
Rated speed	: 2960 rpm	Design		: B	
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#### Three Phase Induction Motor - Squirrel Cage

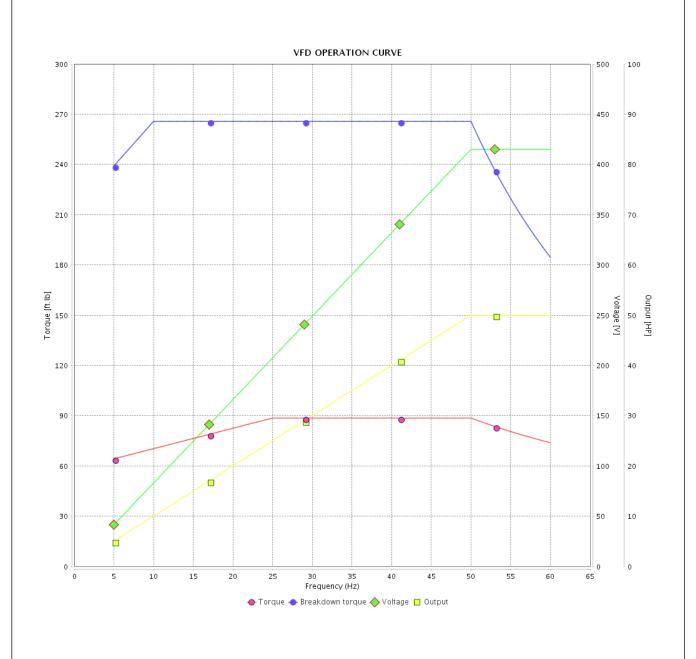


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog #: 06036ET3E364JP-W22



Performance	: 4	15 V 50 Hz 2P IE3				
Rated current	: 6	1.7 A	A Moment of inertia (J)		: 10.6 sq.ft.lb	
LRC	: 7	.4	Duty cycle	<del>)</del>	: Cont.(S1)	
Rated torque	: 8	8.6 ft.lb	Insulation	class	: F	
Locked rotor toro	μe : 2	29 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie : 3	00 %	Temperature rise		: 80 K	
Rated speed	: 2	965 rpm	Design		: B	
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#### Three Phase Induction Motor - Squirrel Cage



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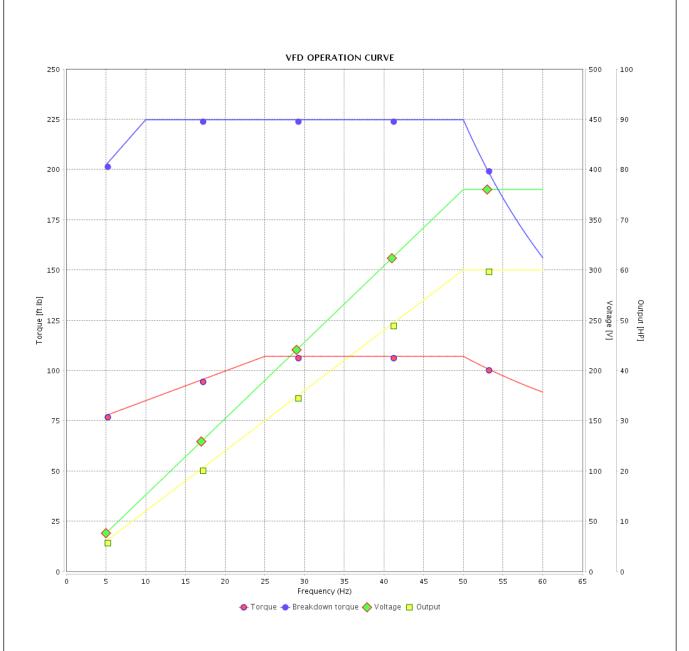
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22

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Performance : 380 V 50 Hz 2P IE1 Rated current : 81.3 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) : 107 ft.lb Insulation class : F Rated torque Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 2945 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

#### Three Phase Induction Motor - Squirrel Cage



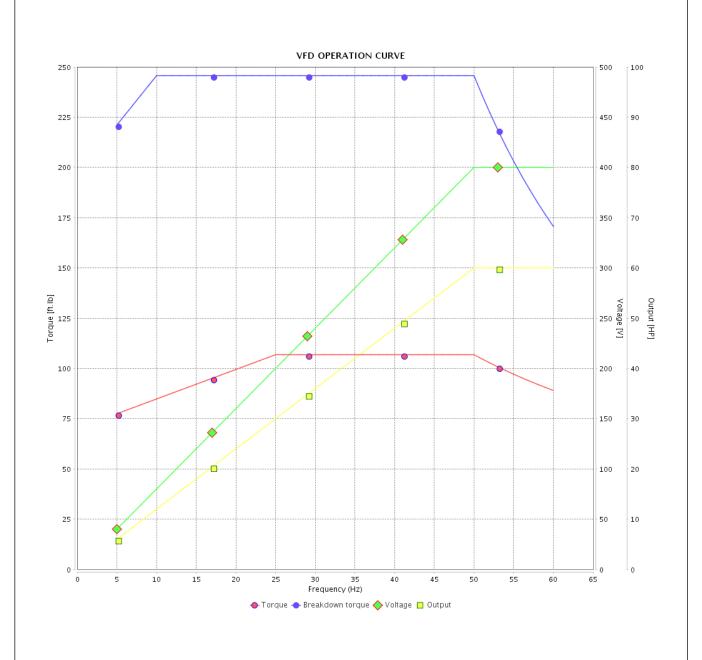
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11901338

Phase

Catalog #: 06036ET3E364JP-W22

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Performance	: 400 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 77.6 A : 5.8 : 107 ft.lb : 180 % : 229 % : 2950 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 10.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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#### Three Phase Induction Motor - Squirrel Cage



Customer :

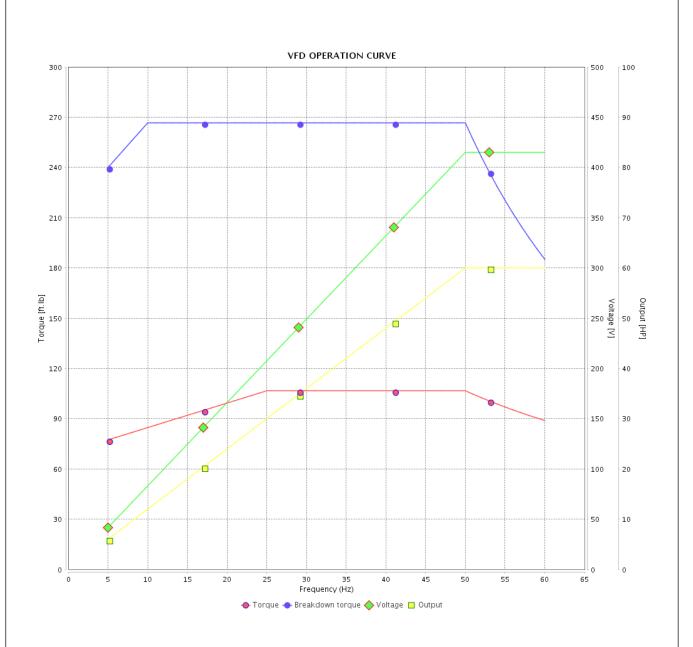
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11901338

Catalog #: 06036ET3E364JP-W22

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Performance	: 415 V 50 Hz 2P IE2				
Rated current	: 74.8 A	Moment of inertia (J)		: 10.6 sq.ft.lb	
LRC	: 6.2	Duty cycle		: Cont.(S1)	
Rated torque	: 107 ft.lb	Insulation class		: F	
Locked rotor torque	: 190 %	Service factor		: 1.00	
Breakdown torque	: 250 %	Temperature rise		: 105 K	
Rated speed	: 2955 rpm	Design		: B	
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