DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog # : 06018OT3E364JP-W40

Frame : 364/5JP

Insulation class : F

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

Rotation¹ : Both (CW and CCW)

Starting method : Direct On Line Approx. weight³ : 771 lb

Approx. weight : //1 lb Moment of inertia (J) : 15.6 sq.ft.lb

Design	-	: B	Women of the	. 15.0	34.11.10
Output [HP]		60	50	50	50
Poles		4	4	4	4
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		140/69.9	69.6	66.9	65.3
L. R. Amperes [A]		909/454	473	482	457
LRC [A]		6.5x(Code G)	6.8x(Code G)	7.2x(Code H)	7.0x(Code H)
No load current [A]		49.4/24.7	24.4	26.2	27.7
Rated speed [RPM	1]	1780	1480	1480	1485
Slip [%]		1.11	1.33	1.33	1.00
Rated torque [ft.lb]		177	177	111	
Locked rotor torque [%]		200	200	220	240
Breakdown torque [%]		240	229	250	270
Service factor		1.25	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		34s (cold) 19s (hot)	32s (cold) 18s (hot)	30s (cold) 17s (hot)	28s (cold) 16s (hot)
Noise level ²		69.0 dB(A)			
	25%	94.4	93.4	93.4	93.4
Efficiency (%)	50%	94.5	93.5	93.5	93.5
Lincicity (70)	75%	95.0	93.9	93.9	93.9
	100%	95.0	93.9	93.9	93.9
	25%	0.48	0.49	0.45	0.42
Power Factor	50%	0.73	0.74	0.71	0.68
1 OWELL ACIO	75%	0.82	0.83	0.81	0.79
	100%	0.85	0.86	0.85	0.84

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6314 C3 6212 Z C3 Max. traction : 1250 lb Sealing : Without Without Max. compression : 2022 lb

Bearing Seal Bearing Seal Lubrication interval : 20000 h 20000 h

Lubricant amount : 27 g 13 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 155A SF 1.15 SFA 178A

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	12/04/2022			1 / 21	

Three Phase Induction Motor - Squirrel Cage



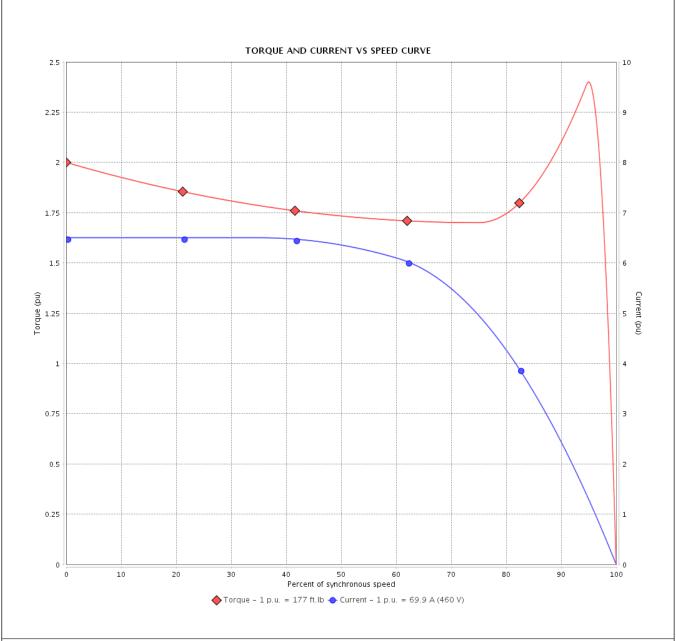
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance : 230/460 V 60 Hz 4P Rated current : 140/69.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

Locked rotor time : 34s (cold) 19s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			2 / 21	

Three Phase Induction Motor - Squirrel Cage



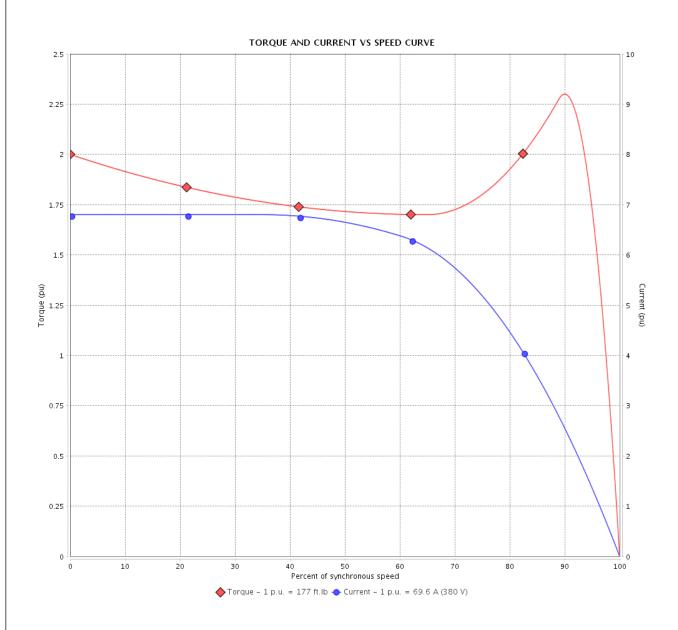
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance	: 380 V 50 Hz 4P IE3			
Rated current	: 69.6 A	Moment of inertia (J)	: 15.6 sq.ft.lb	
LRC	: 6.8	Duty cycle	: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: B	
Locked rotor time	: 32s (cold) 18s (hot)			

LOCKCU TOLOT LITTI		23 (COId) 103 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	12/04/2022	1		3 / 21	

Three Phase Induction Motor - Squirrel Cage



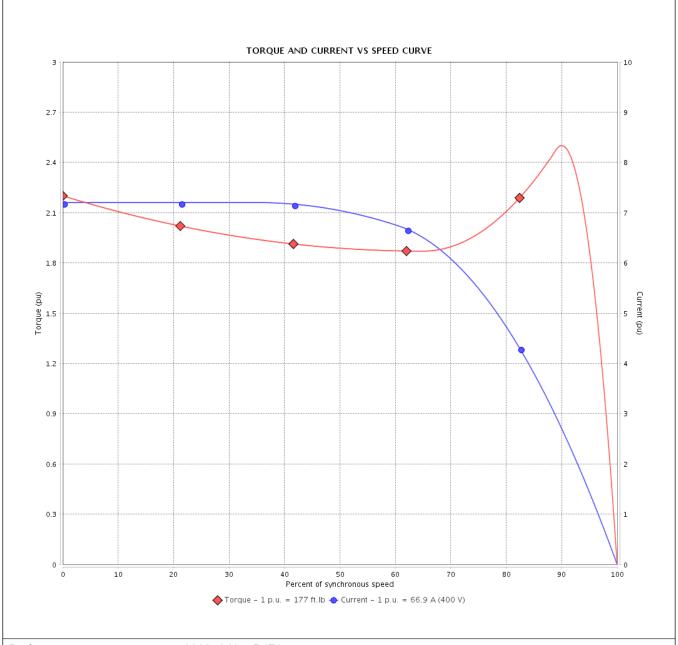
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



: 400 V 50 Hz 4P IE3 Performance Rated current : 66.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 250 % Temperature rise : 80 K

Rated speed : 1480 rpm Design : B

Locked rotor time : 30s (cold) 17s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			4 / 21	

Three Phase Induction Motor - Squirrel Cage



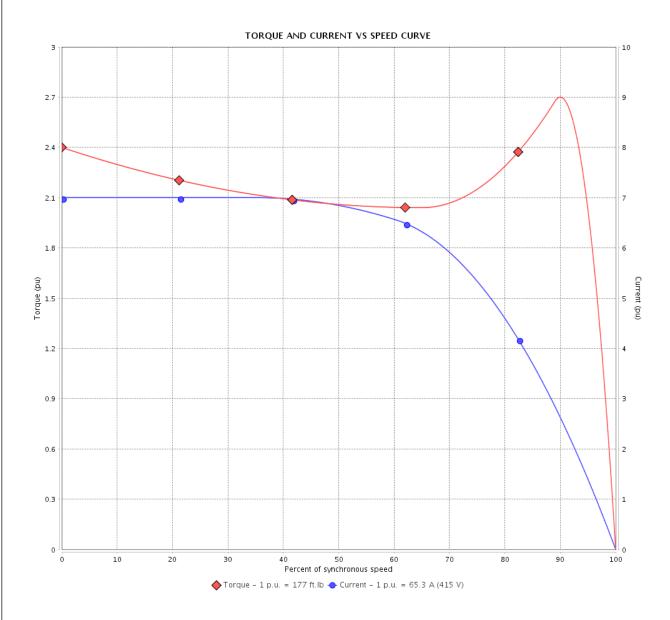
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 65.3 A	Moment of inertia (J)	: 15.6 sq.ft.lb	
LRC	: 7.0	Duty cycle	: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque	: 240 %	Service factor	: 1.00	
Breakdown torque	: 270 %	Temperature rise	: 80 K	
Rated speed	: 1485 rpm	Design	: B	
Locked rotor time	: 28s (cold) 16s (hot)			

LOCKEU TOLOT LITTLE	. 20	os (cola) Tos (Hot)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer :

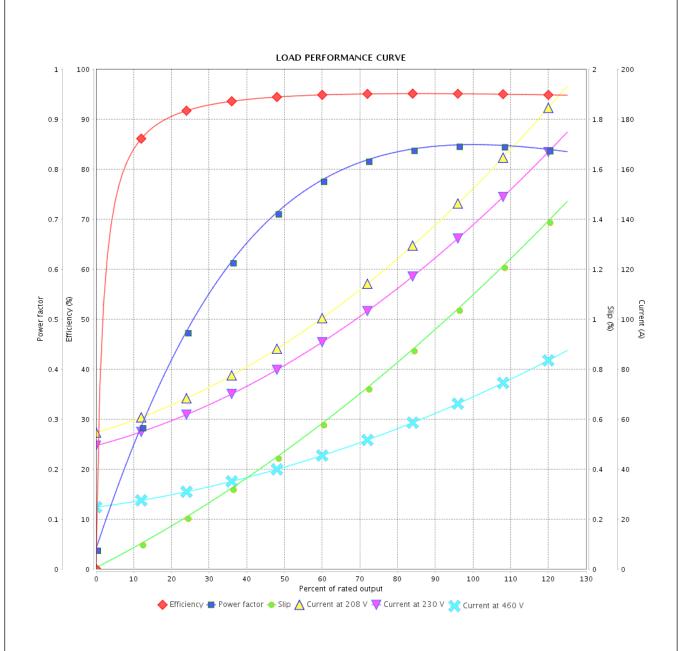
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40

6/21



: 230/460 V 60 Hz 4P : 140/69.9 A	Mamont of			
: 140/69.9 A	Moment of			
: 6.5 : 177 ft.lb : 200 % : 240 % : 1780 rpm	Duty cycle Insulation of Service factorics Temperatu	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K	
Changes Summary		Performed	Checked	Date
				Revision
	: 177 ft.lb : 200 % : 240 % : 1780 rpm	: 177 ft.lb Insulation of Service factors and Service factors are serviced factors and service factors are serviced factors and serviced factors are serviced factors are serviced factors and serviced factors are serviced factors and serviced factors are serviced factors are serviced factors are serviced factors are service	: 177 ft.lb Insulation class : 200 % Service factor : 240 % Temperature rise : 1780 rpm Design	: 177 ft.lb Insulation class : F : 200 % Service factor : 1.25 : 240 % Temperature rise : 80 K : 1780 rpm Design : B

12/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer

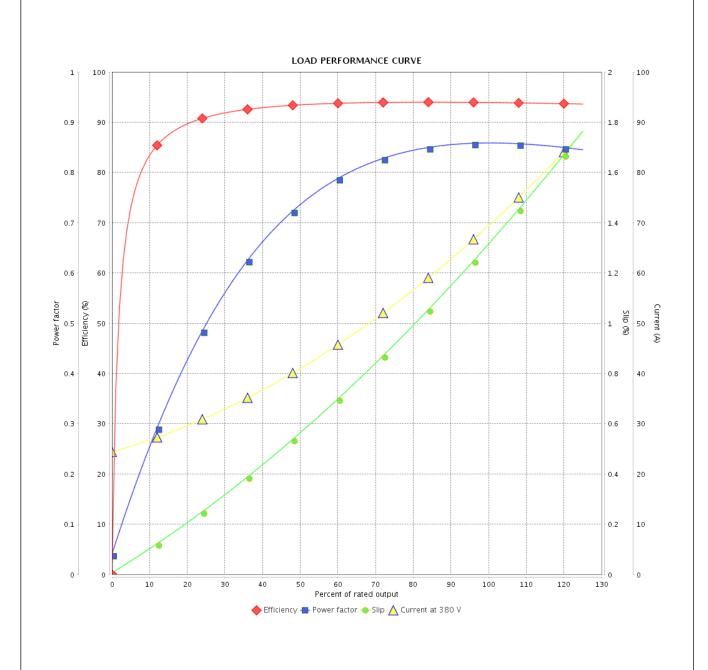
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40

7/21



Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 69.6 A : 6.8 : 177 ft.lb : 200 % : 229 % : 1480 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class actor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	Doolgii	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

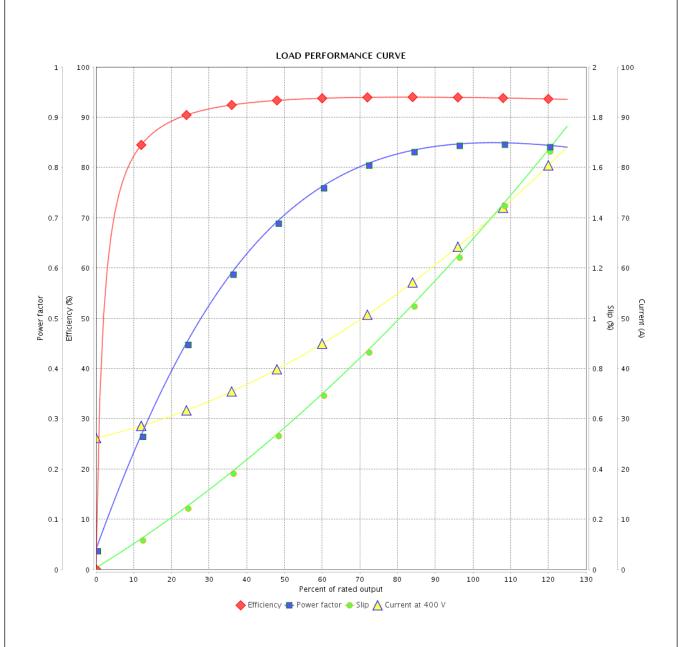
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40

8 / 21



Performance	: 400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 66.9 A : 7.2 : 177 ft.lb : 220 % : 250 % : 1480 rpm	Moment of Duty cycle Insulation of Service fact Temperatu Design	class	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Three Phase Induction Motor - Squirrel Cage



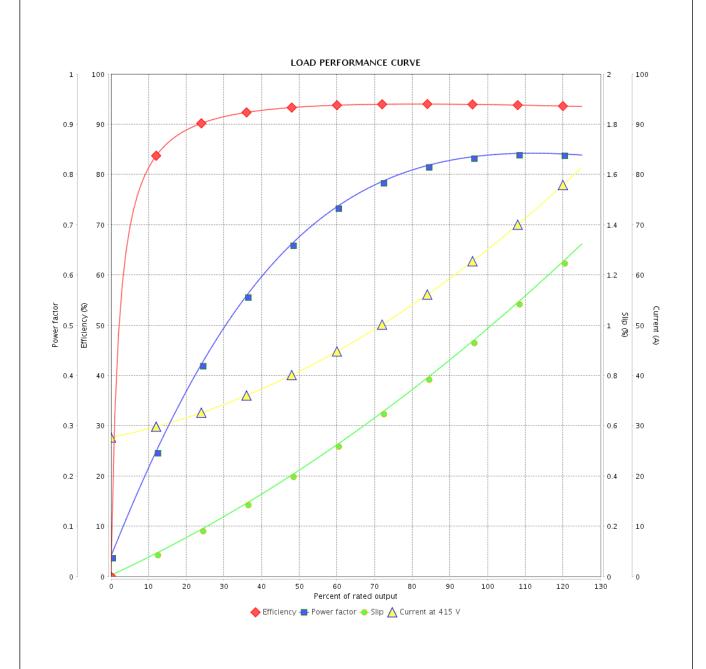
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance	:	415 V 50 Hz 4P IE3				
Rated current	ated current : 65.3 A		Moment o	f inertia (J)	: 15.6 sq.ft.lb	
LRC	:	7.0	Duty cycle	;	: Cont.(S1)	
Rated torque	:	177 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie :	240 %	Service fa	ctor	: 1.00	
Breakdown torque	:	270 %	Temperature rise		: 80 K	
Rated speed	:	1485 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				9 / 21	

Three Phase Induction Motor - Squirrel Cage

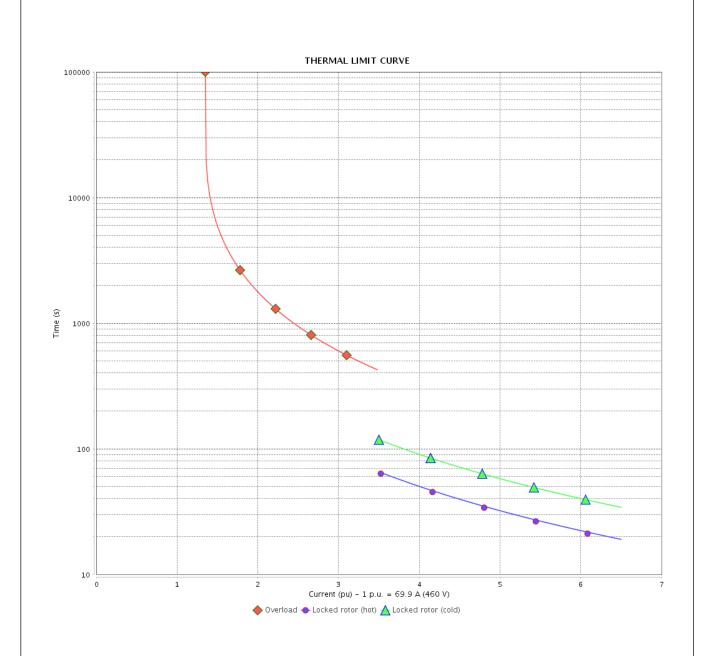


Customer		:				
Dec Letter		WAS ID D NEMA D		De la de la de	4.4070.404	
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	lium	Product code :	14270421	
		,		Catalog # :	06018OT3E3	64JP-W40
Performance		230/460 V 60 Hz 4P				
Rated current		140/69.9 A	Moment o	of inertia (J)	: 15.6 sq.ft.lb	
LRC	:	6.5	Duty cycle	Э	: Cont.(S1)	
Rated torque		177 ft.lb	Insulation		: F	
Locked rotor tord Breakdown torqu		200 % 240 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		1780 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.	•	Changes Summary	<u> </u>	Performed	Checked	Date
-		<u> </u>				
Performed by						
Checked by					Page	Revision
Date	12/04/2022				10 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			11 / 21	

Three Phase Induction Motor - Squirrel Cage

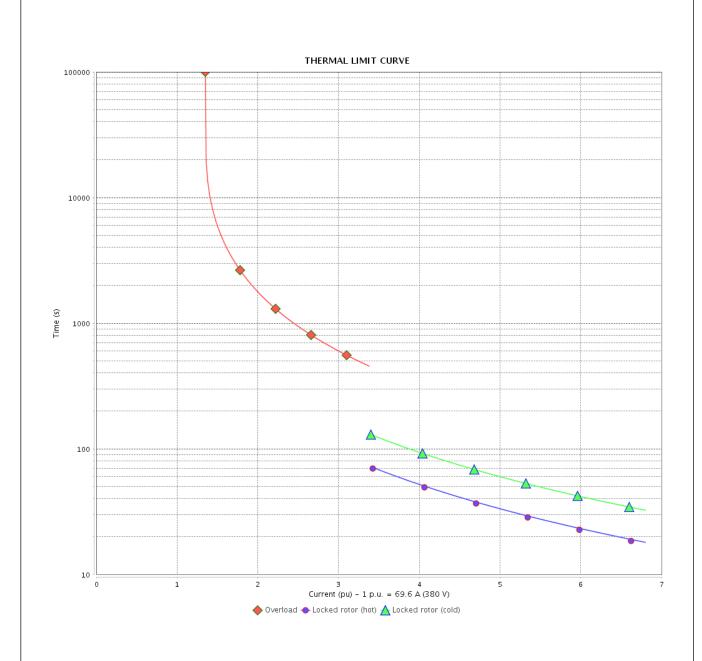


Customer		:				
Dec Letter		WAS ID D NEMA D		De la de la de	4.4070.404	
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	lium	Product code :	14270421	
				Catalog # :	06018OT3E3	64JP-W40
Performance		: 380 V 50 Hz 4P IE3				
Rated current LRC		: 69.6 A : 6.8	Moment of Duty cycle	of inertia (J)	: 15.6 sq.ft.lb	
Rated torque		: 0.8 : 177 ft.lb	Insulation		: Cont.(S1) : F	
Locked rotor torc	jue :	: 200 %	Service fa	ictor	: 1.00	
Breakdown torqu Rated speed		: 229 % : 1480 rpm	Temperati Design	ure rise	: 80 K : B	
		. 1 100 1piii	Design		. b	
Heating constant						
Cooling constant		Changes Cummers		Performed	Checked	Data
Rev.		Changes Summary		Penormea	Спескеа	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				12 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			13 / 21	

Three Phase Induction Motor - Squirrel Cage

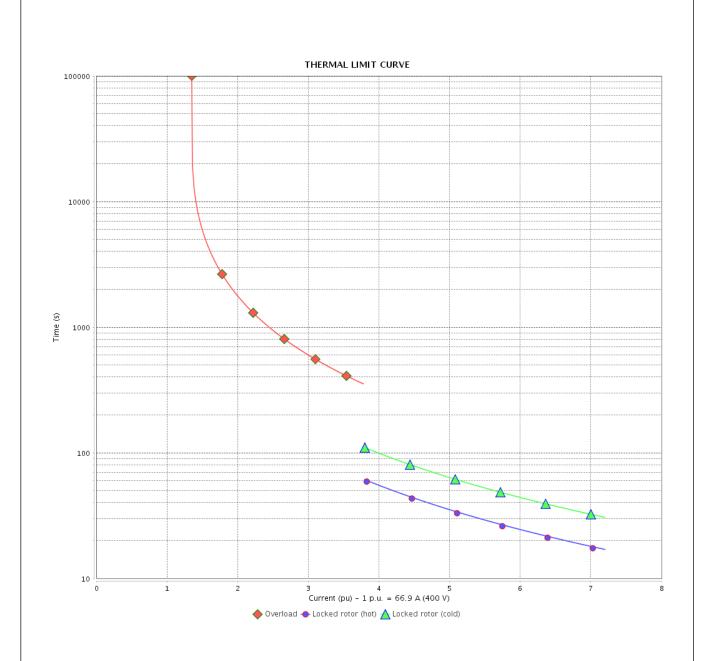


Customer		:				
Dec Letter		WAS ID D NEMA D	•	Decit of soils	4.4070.404	
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iium	Product code :	14270421	
		,		Catalog # :	06018OT3E3	64JP-W40
Performance	:	400 V 50 Hz 4P IE3				
Rated current		66.9 A	Moment o	of inertia (J)	: 15.6 sq.ft.lb	
LRC Rated torque		7.2 177 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc	jue :	220 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie :	250 %	Temperati	ure rise	: 80 K	
Rated speed		1480 rpm	Design		: B	
Heating constant						
Cooling constant		01 0			<u> </u>	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		\dashv			Page	Revision
Date	12/04/2022				14 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			15 / 21	

Three Phase Induction Motor - Squirrel Cage

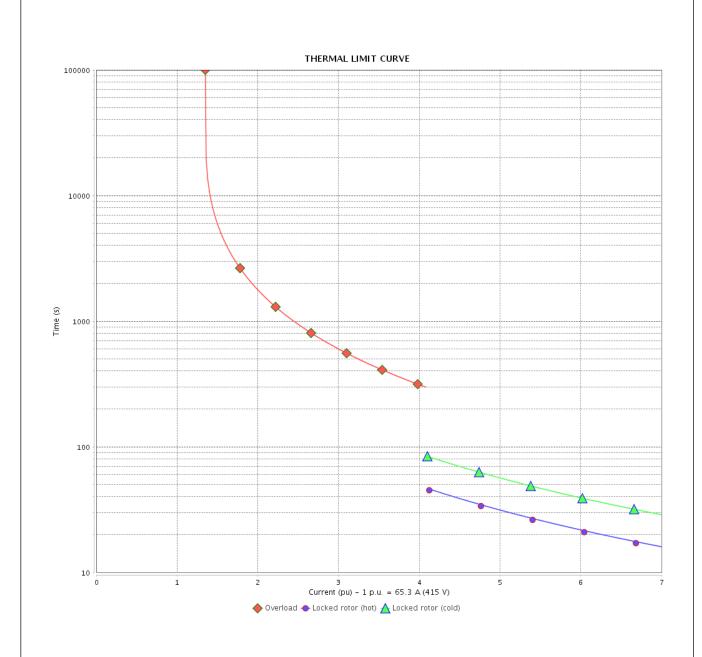


Customer	:					
Product line	: \ E	W40 JP Pump NEMA Prem fficiency Three-Phase		Product code :	14270421 06018OT3E3	64.JP-W40
				zataioy # .	00010013E3	J+JF - VV+U
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torque Rated speed	: 65 : 7. : 17 ue : 24 e : 27 : 14	15 V 50 Hz 4P IE3 5.3 A 0 77 ft.lb 40 % 70 % 485 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	40/04/0002				Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			17 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

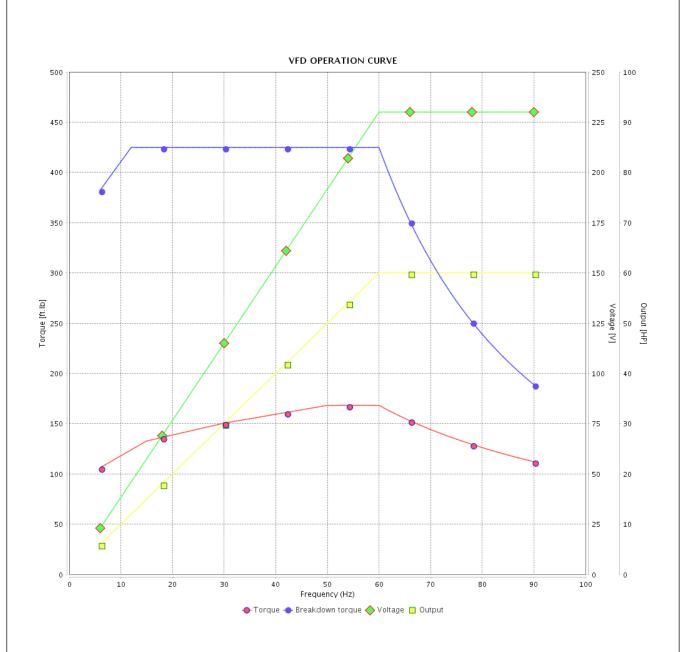
Product code: 14270421

Catalog #: 06018OT3E364JP-W40

Page

18/21

Revision



Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 17 jue : 20 ie : 24	40/69.9 A 5 77 ft.lb 00 % 40 % 780 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

Three Phase Induction Motor - Squirrel Cage



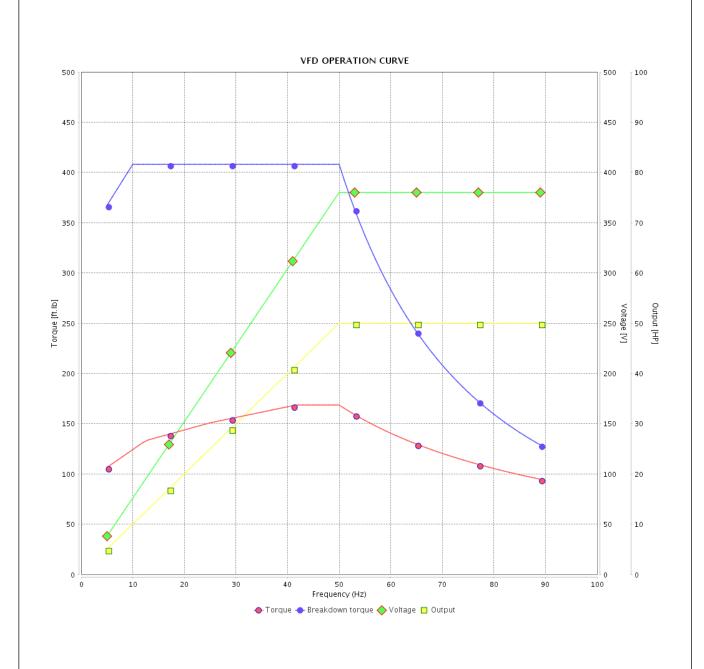
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance	: 3	80 V 50 Hz 4P IE3				
Rated current	: 6	69.6 A Moment of		f inertia (J)	: 15.6 sq.ft.lb	
LRC	: 6	5.8	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	77 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	.00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	29 %	% Temperature rise		: 80 K	
Rated speed	: 1	480 rpm	Design		: B	
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022	1			19 / 21	

Three Phase Induction Motor - Squirrel Cage



Customer :

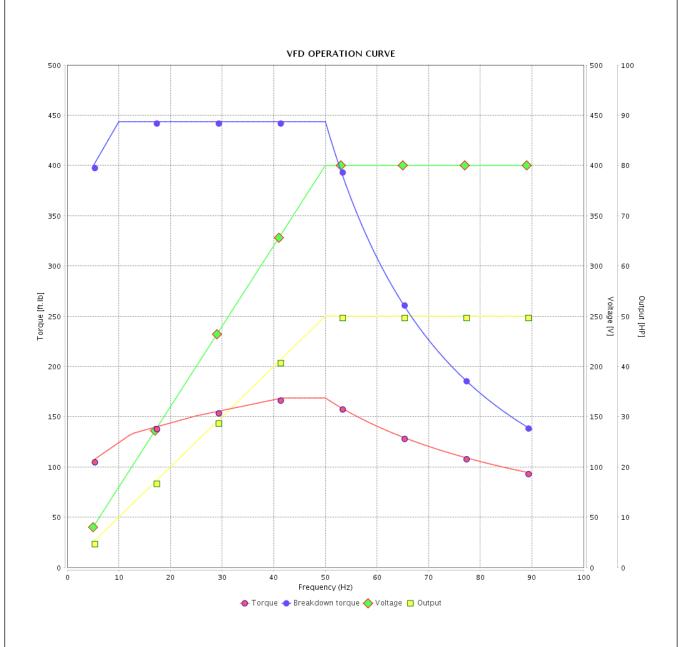
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40

20 / 21



Dorformana	· 400 \/ 50 H= 4D IF2				
Performance	: 400 V 50 Hz 4P IE3				
Rated current	: 66.9 A	Moment of inertia (J)		: 15.6 sq.ft.lb	
LRC	C : 7.2 Duty cycle			: Cont.(S1)	
Rated torque	ed torque : 177 ft.lb Insulation class		lass	: F	
Locked rotor torque			tor	: 1.00	
Breakdown torque	Breakdown torque : 250 %		Temperature rise		
Rated speed	: 1480 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Three Phase Induction Motor - Squirrel Cage



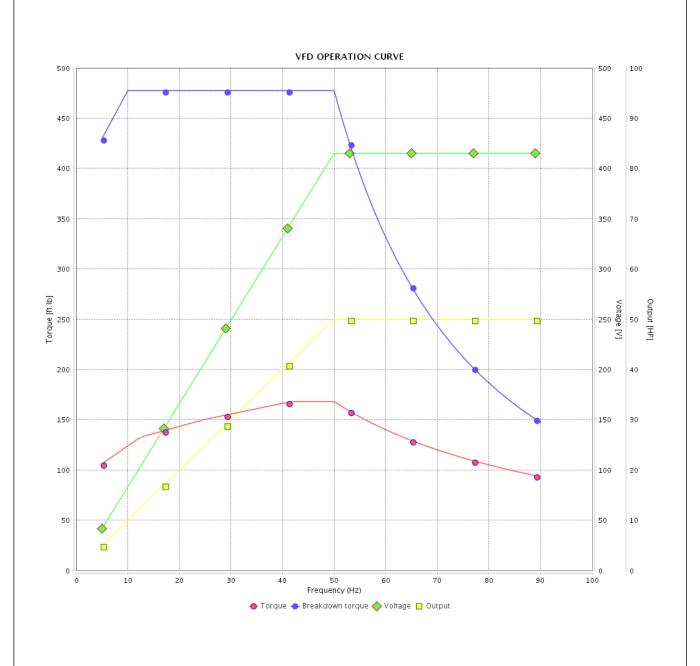
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14270421

Catalog #: 06018OT3E364JP-W40



Performance	:	415 V 50 Hz 4P IE3				
Rated current	: 65.3 A Moment of inertia (J)		f inertia (J)	: 15.6 sq.ft.lb		
LRC	:	7.0	Duty cycle)	: Cont.(S1)	
Rated torque	:	177 ft.lb	Insulation	class	:F	
Locked rotor torque	e :	240 %	Service fa	ctor	: 1.00	
Breakdown torque	:	270 %	Temperature rise		: 80 K	
Rated speed	:	1485 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				21 / 21	

