DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

04036OT3E286JP-W40 Catalog #:

Frame : 284/6JP

Insulation class

Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C

Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP

Mounting : F-1

Rotation¹ : Both (CW and CCW)

Starting method : Direct On Line Approx. weight³ : 366 lb

	. 1000 111.0.0.1.	, ipprox. worg.		
Protection degree : IP23		Moment of inc	ertia (J) : 2.02	sq.ft.lb
	: B			
	40	30	30	30
Poles		2	2	2
	60	50	50	50
	230/460	380	400	415
	93.6/46.8	41.9	40.7	40.2
	608/304	302	309	310
	6.5x(Code G)	7.2x(Code H)	7.6x(Code J)	7.7x(Code J)
	29.8/14.9	14.3	15.8	17.0
]	3540	2950	2955	2960
Slip [%]		1.67	1.50	1.33
Rated torque [ft.lb] 59.3 53.4		53.4	53.3	53.2
ocked rotor torque [%]		210	229	250
[%]	260	300	330	360
	1.25	1.00	1.00	1.00
	80 K	80 K	80 K	80 K
	14s (cold) 8s (hot)	12s (cold) 7s (hot)	14s (cold) 8s (hot)	14s (cold) 8s (hot)
	73.0 dB(A)			
25%	91.5	88.6	88.7	88.9
50%	91.7	90.0	90.1	90.2
75%	92.4	91.4	91.4	91.5
100%	92.4	92.8	92.8	92.8
25%	0.51	0.49	0.45	0.41
50%	0.76	0.73	0.70	0.65
75%	0.84	0.82	0.79	0.76
100%	0.87	0.86	0.84	0.82
	25% 50% 75% 100% 25% 50% 75%	: B 40 2 60 230/460 93.6/46.8 608/304 6.5x(Code G) 29.8/14.9 1] 3540 1.67 59.3 2 [%] 190 [%] 260 1.25 80 K 14s (cold) 8s (hot) 73.0 dB(A) 25% 91.7 75% 92.4 100% 92.4 25% 0.51 50% 0.76 75% 0.84	Here IP23 IP3 IP3 IP40 IP40 IP50 IP60 IP60 IP75 IP75 IP75 IP75 IP75 IP75 IP75 IP75	: B 40 30 30 2 2 2 2 2 60 50 50 230/460 380 400 93.6/46.8 41.9 40.7 608/304 302 309 6.5x(Code G) 7.2x(Code H) 7.6x(Code J) 29.8/14.9 14.3 15.8 1] 3540 2950 2955 1.67 1.67 1.50 59.3 53.4 53.3 8 [%] 190 210 229 [%] 260 300 330 1.25 1.00 1.00 80 K 80 K 80 K 14s (cold) 8s (hot) 12s (cold) 7s (hot) 14s (cold) 8s (hot) 73.0 dB(A) 25% 91.5 88.6 88.7 50% 91.7 90.0 90.1 75% 92.4 91.4 91.4 100% 92.4 92.8 92.8 25% 0.51 0.49 0.45 50% 0.76 0.73 0.70 75% 0.84 0.82 0.79

Drive end Non drive end

6311 Z C3 6211 Z C3 Without Without

Bearing Seal Bearing Seal

20000 h 20000 h Lubrication interval Lubricant amount 11 g Lubricant type Mobil Polyrex EM

Foundation loads Max. traction Max. compression

Notes

Bearing type

Sealing

USABLE @208V 104A SF 1.15 SFA 119A

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



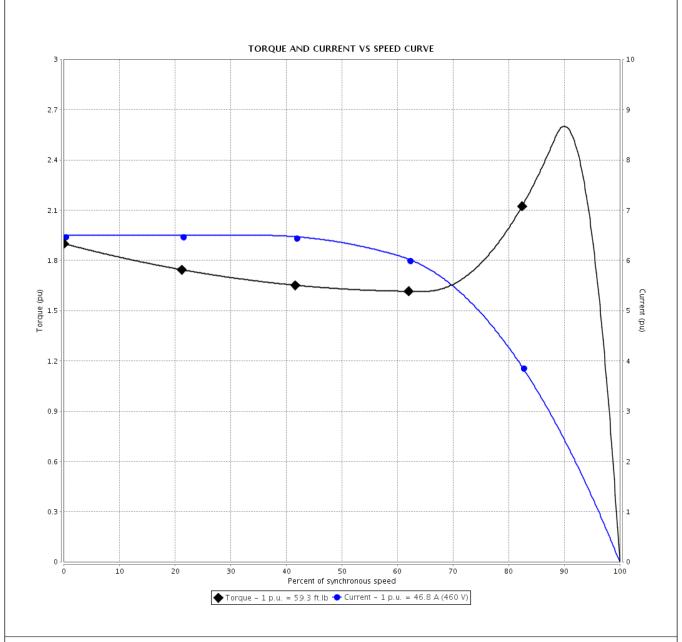
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



: 230/460 V 60 Hz 2P Performance Rated current : 93.6/46.8 A Moment of inertia (J) : 2.02 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 59.3 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 190 % : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B

Locked rotor time : 14s (cold) 8s (hot)

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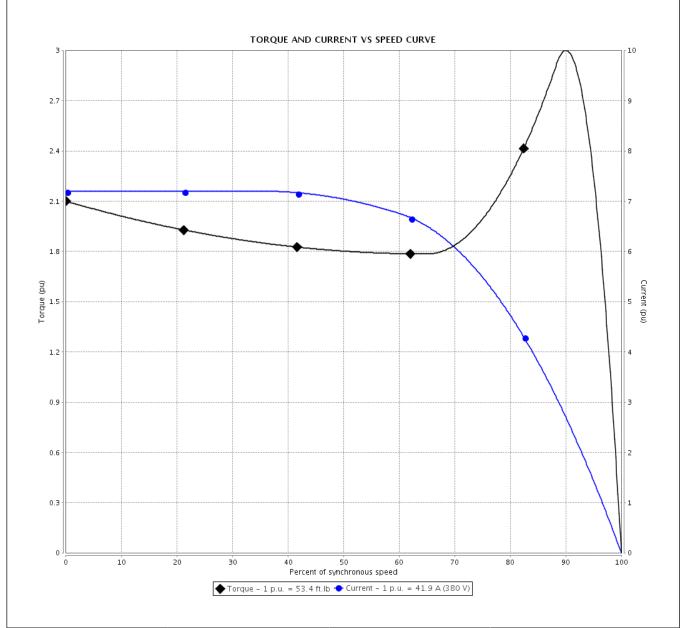
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance	: 380 V 50 Hz 2P IE3			
Rated current	: 41.9 A	Moment of inertia (J)	: 2.02 sq.ft.lb	
LRC	: 7.2	Duty cycle	: Cont.(S1)	
Rated torque	: 53.4 ft.lb	Insulation class	: F	
Locked rotor torque	: 210 %	Service factor	: 1.00	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 2950 rpm	Design	: B	
Locked roter time	: 12c (cold) 7c (bot)			

Locked rotor time : 12s (cold) 7s (hot)

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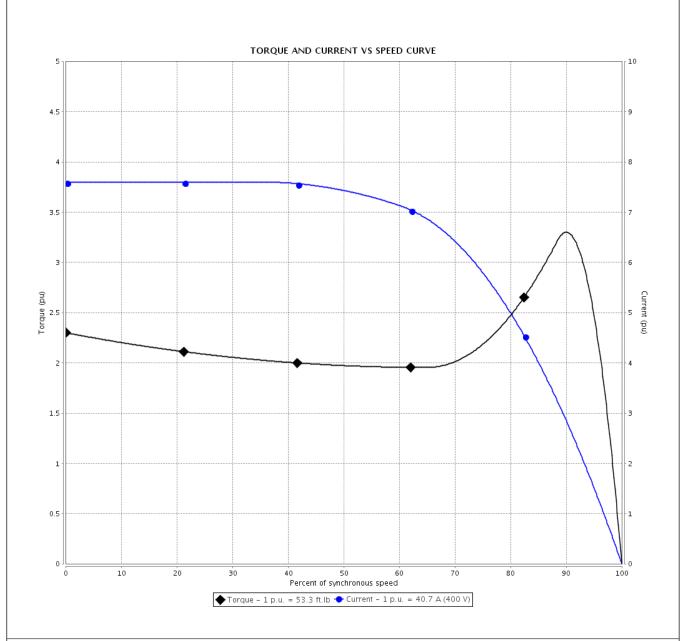
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



: 400 V 50 Hz 2P IE3 Performance Rated current : 40.7 A Moment of inertia (J) : 2.02 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) : 53.3 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 229 % : 1.00 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 2955 rpm Design : B

Locked rotor time : 14s (cold) 8s (hot)

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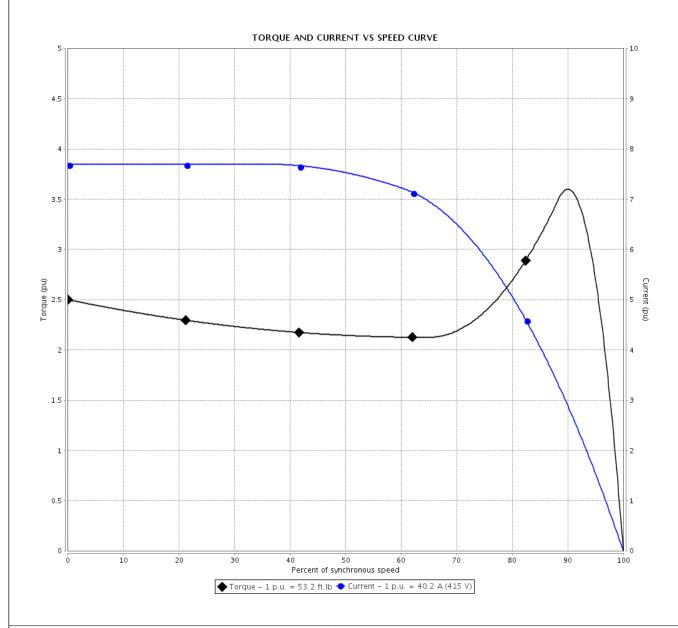
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance : 415 V 50 Hz 2P IE3 Rated current : 40.2 A Moment of inertia (J) : 2.02 sq.ft.lb **LRC** : 7.7 Duty cycle : Cont.(S1) : 53.2 ft.lb Insulation class Rated torque : F : 250 % Locked rotor torque Service factor : 1.00 Breakdown torque : 360 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B Locked rotor time : 14s (cold) 8s (hot)

Lookou rotor time		10 (0010) 00 (1101)			
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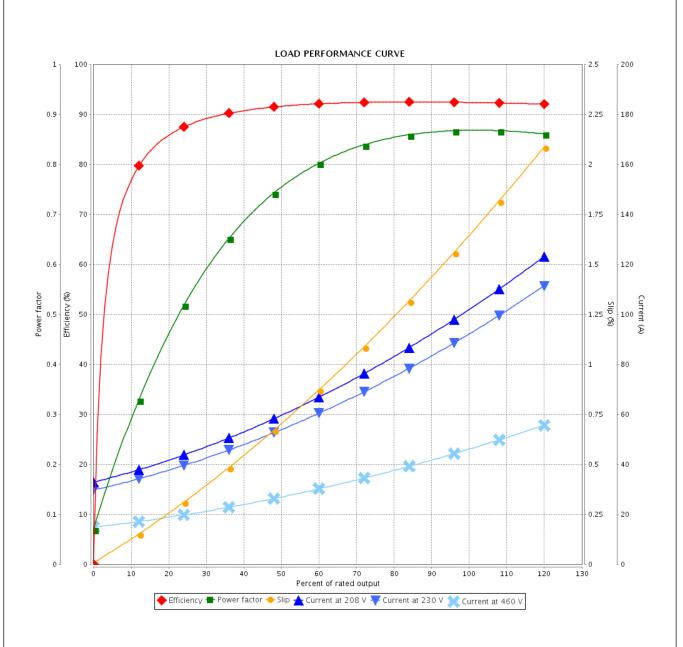
Customer :

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance	: 230/460 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 93.6/46.8 A : 6.5 : 59.3 ft.lb : 190 % : 260 % : 3540 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 2.02 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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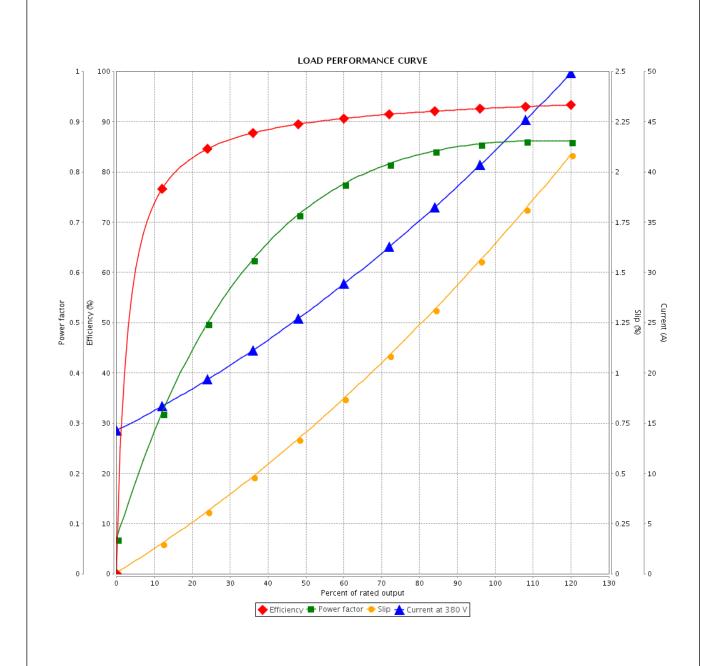
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance	:	380 V 50 Hz 2P IE3				
Rated current	:	41.9 A	Moment o	f inertia (J)	: 2.02 sq.ft.lb	
LRC	:	7.2	Duty cycle)	: Cont.(S1)	
Rated torque	:	53.4 ft.lb	Insulation	class	:F	
Locked rotor torque	e :	210 %	Service fa	ctor	: 1.00	
Breakdown torque	:	300 %	Temperature rise		: 80 K	
Rated speed	:	2950 rpm	Design		: B	
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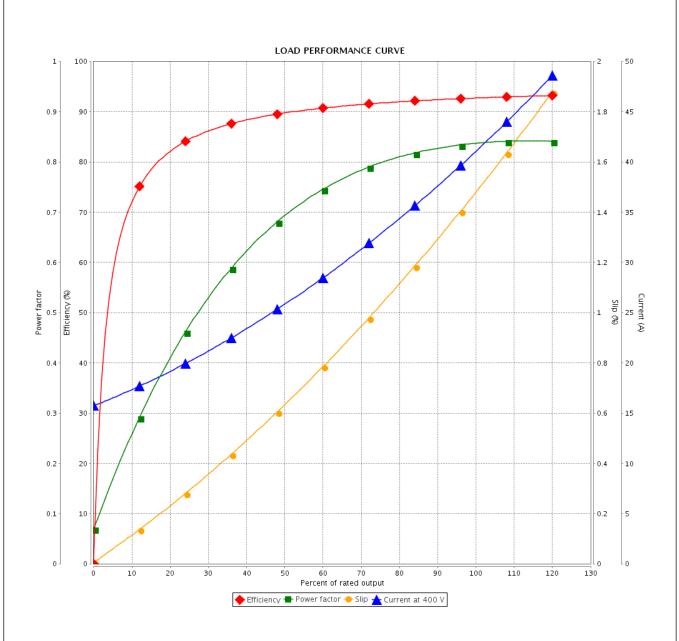
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40

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Performance	: 400 V 50 Hz 2P IE3				
Rated current	: 40.7 A	Moment of inertia (J)		: 2.02 sq.ft.lb	
LRC	: 7.6	Duty cycle		: Cont.(S1)	
Rated torque	: 53.3 ft.lb	Insulation class		: F	
Locked rotor torque	: 229 %	Service factor		: 1.00	
Breakdown torque	: 330 %	Temperature rise		: 80 K	
Rated speed	: 2955 rpm	Design		: B	
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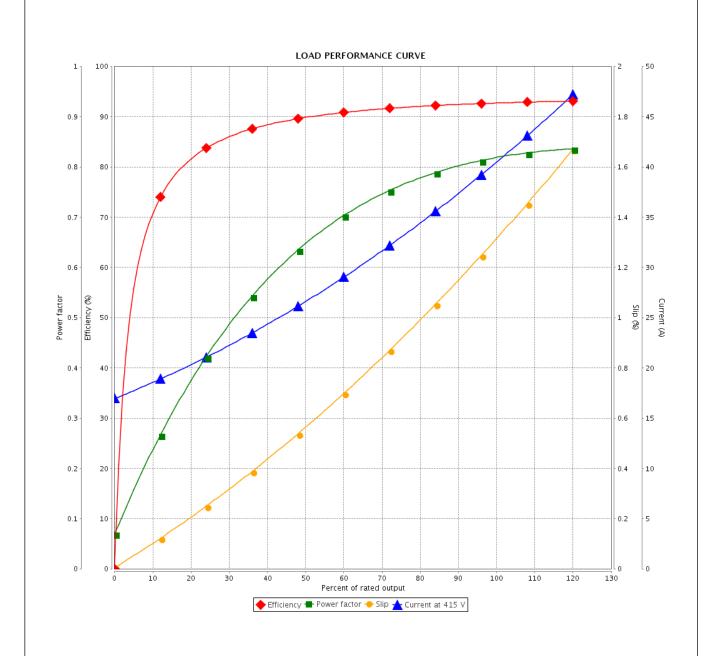
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance	:	415 V 50 Hz 2P IE3				
Rated current	:	40.2 A	Moment o	f inertia (J)	: 2.02 sq.ft.lb	
LRC	:	7.7	Duty cycle)	: Cont.(S1)	
Rated torque	:	53.2 ft.lb	Insulation	class	: F	
Locked rotor torque	e ::	250 %	Service fa	ctor	: 1.00	
Breakdown torque	:	360 %	Temperati	Temperature rise		
Rated speed	:	2960 rpm	Design		: B	
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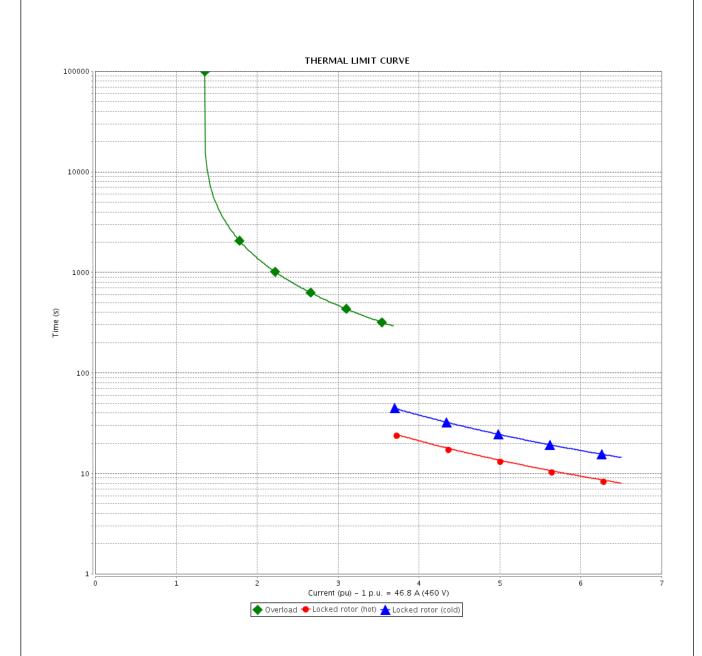


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Product line		· WAO ID Dump NEMA Drom	ium	Product code :	14487052	
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	iiuiii	Froduct code .	14467032	
		,		Catalog # :	04036OT3E2	86JP-W40
Performance	:	230/460 V 60 Hz 2P				
Rated current		93.6/46.8 A	Moment o	of inertia (J)	: 2.02 sq.ft.lb	
LRC Rated torque		6.5 59.3 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc	jue :	190 %	Service fa	ctor	: 1.25	
Breakdown torqu	ie :	260 %	Temperati	ure rise	: 80 K	
Rated speed	:	3540 rpm	Design		: B	
Heating constant						
Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



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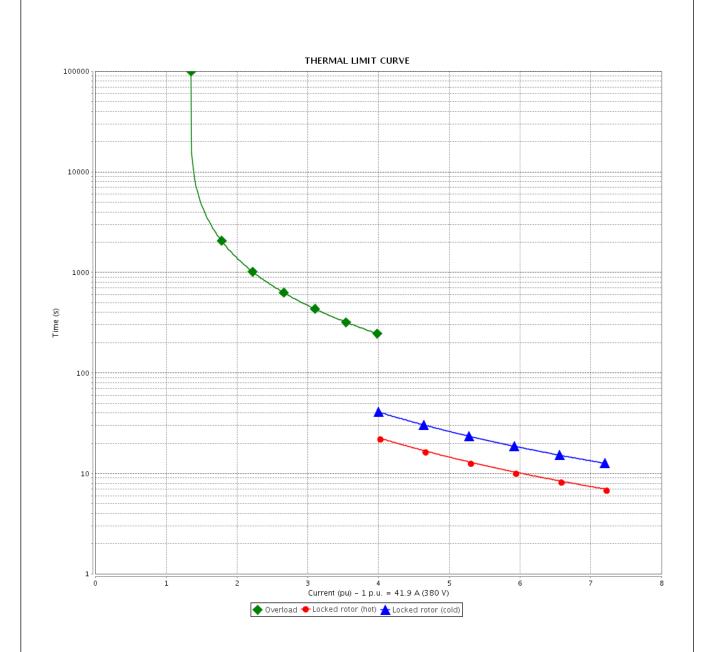


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14487052 04036OT3E28	36JP-W40
Performance	:	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	que : :	41.9 A 7.2 53.4 ft.lb 210 % 300 % 2950 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 2.02 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan		•	- 3			
Cooling constant						
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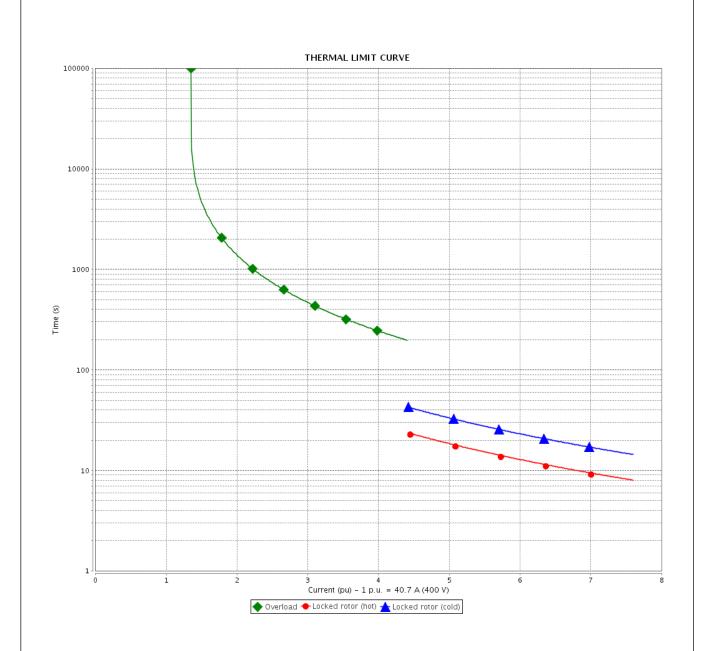


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14487052 04036OT3E28	86JP-W40
Performance	:	400 V 50 Hz 2P IE3				
Rated current LRC		40.7 A 7.6	Moment of Duty cycle	of inertia (J)	: 2.02 sq.ft.lb : Cont.(S1)	
Rated torque	:	53.3 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		229 % 330 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		2955 rpm	Design		: B	
Heating constan						
Cooling constant	Ţ	Changes Summary		Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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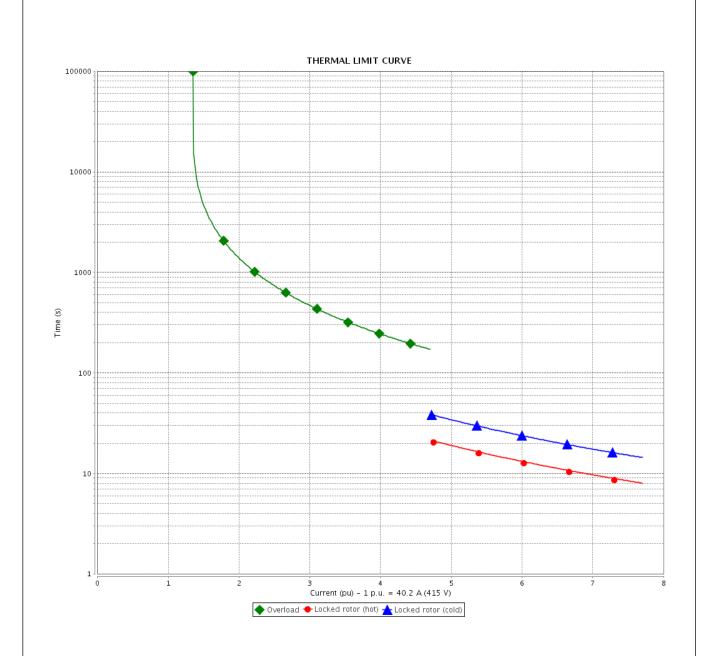


Customer		:				
Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase		Product code : Catalog # :	14487052 04036OT3E28	DE ID WAO
					0 10000 10020	7001 11 10
Performance	:	415 V 50 Hz 2P IE3				
Rated current LRC		40.2 A 7.7	Moment of Duty cycle	f inertia (J)	: 2.02 sq.ft.lb : Cont.(S1)	
Rated torque	:	53.2 ft.lb	Insulation	class	: F	
Locked rotor tord		250 %	Service fa		: 1.00	
Breakdown torqu Rated speed		360 % 2960 rpm	Temperati Design	ure rise	: 80 K : B	
Heating constan	t					
Cooling constant	t					
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Three Phase Induction Motor - Squirrel Cage



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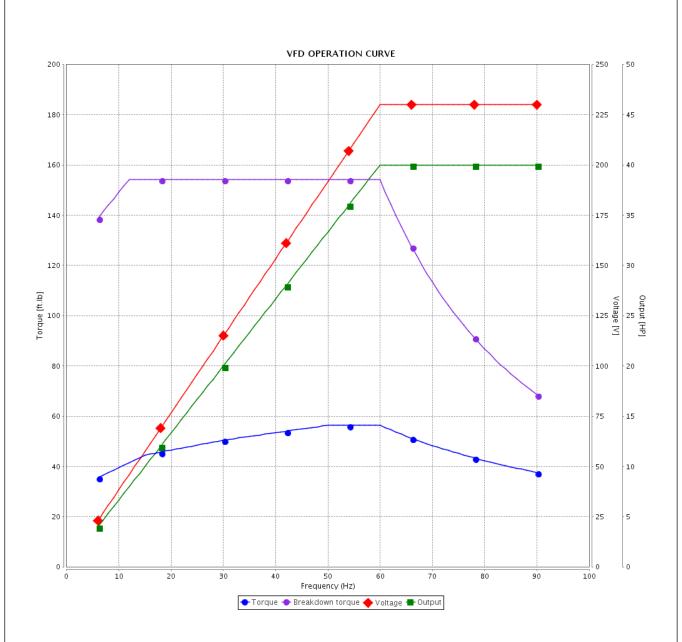
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40

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Performance : 230/460 V 60 Hz 2P Rated current : 93.6/46.8 A Moment of inertia (J) : 2.02 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.5 Insulation class : 59.3 ft.lb : F Rated torque Locked rotor torque : 190 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page

Three Phase Induction Motor - Squirrel Cage



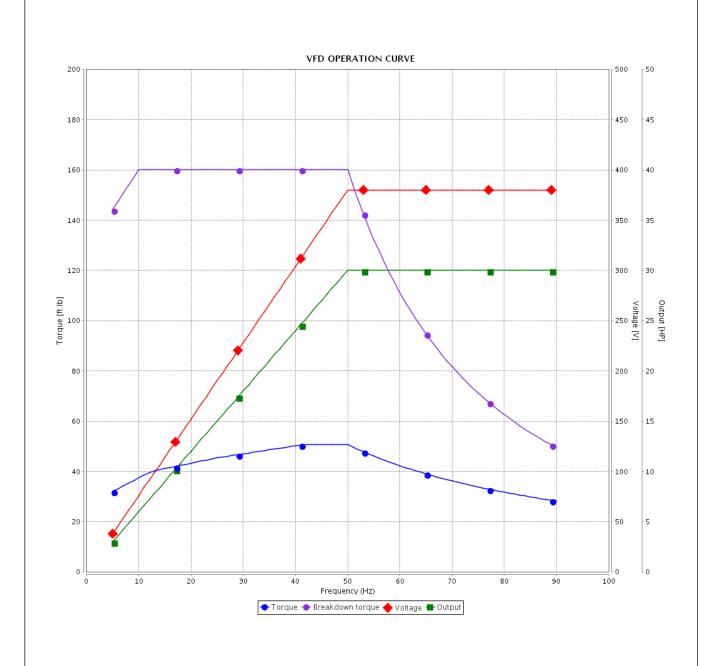
Customer

Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40



Performance	: 3	80 V 50 Hz 2P IE3				
Rated current	: 4	1.9 A	1.9 A Moment of inertia (J)		: 2.02 sq.ft.lb	
LRC	: 7.	2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 53	3.4 ft.lb	Insulation class		: F	
Locked rotor torqu	ie : 2	10 %	Service fa	ctor	: 1.00	
Breakdown torque	: 30	00 %	Temperati	ıre rise	: 80 K	
Rated speed	: 29	950 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

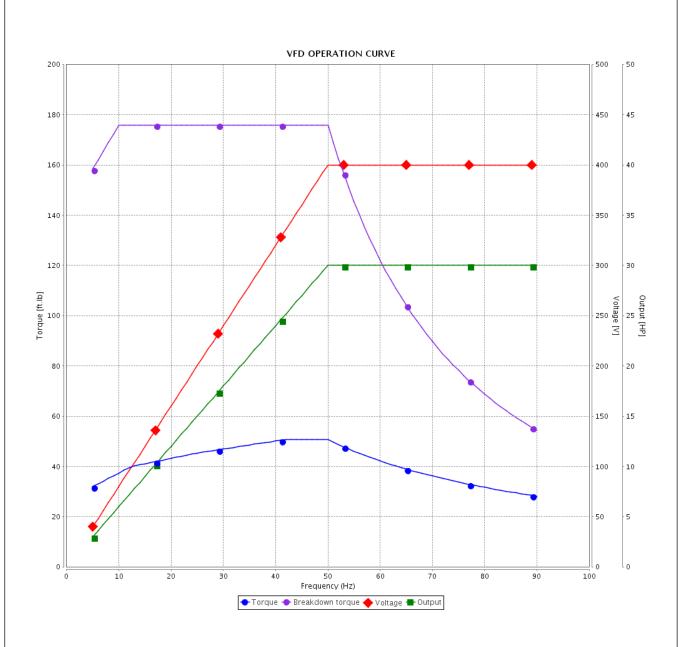
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40

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Performance	: 40	00 V 50 Hz 2P IE3				
Rated current	: 40	0.7 A	Moment of inertia (J)		: 2.02 sq.ft.lb	
LRC	: 7.	.6	Duty cycle	Э	: Cont.(S1)	
Rated torque	: 53	3.3 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 22	29 %	Service fa	actor	: 1.00	
Breakdown torqu	•	30 %	Temperat	Temperature rise		
Rated speed		955 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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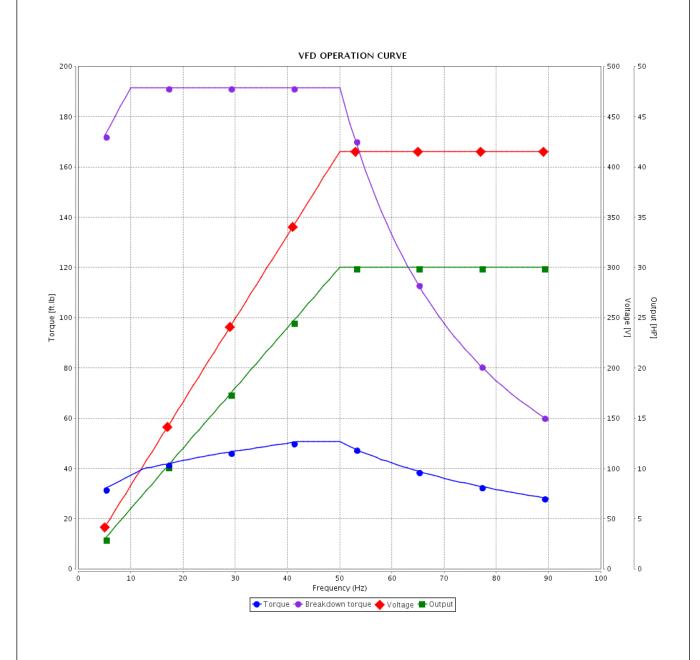
Product line : W40 JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 14487052

Catalog #: 04036OT3E286JP-W40

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Performance	: 415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 40.2 A : 7.7 : 53.2 ft.lb : 250 % : 360 % : 2960 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.02 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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