



---

# Customer information packet

## 12-0000-1640 - 120042-040

40HP, 3530RPM, 3PH, 60HZ, 326TSC, 1240M, TEFC

KAISHAN COMPRESSOR USA LLC

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	326TSC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	92.000 A @ 230.0 V 46.000 A @ 460.0 V 100.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	46.0 a

## Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY403
Layout	12LY-000-538
Eff. date	02-04-2021
CD Diagram	CD0104
Poles	02
Leads	12#8
Proprietary	False
Created date	04-27-2020

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>IP Rating</b>	NONE
<b>KVA Code</b>	G
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1240M
<b>Mounting Arrangement</b>	F2
<b>Number of Poles</b>	2
<b>Overall Length</b>	28.78 IN
<b>Power Factor</b>	88
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.25
<b>Shaft Diameter</b>	1.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	3530 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Wye Start - Delta Run
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP2138L**

<b>CAT.NO.</b>		<b>P/N</b>		<b>ENCLOSURE</b>	<b>TEFC</b>
<b>SPEC.</b>	12-0000-1640	<b>CC</b>	010A	<b>FRAME</b>	326TSC
<b>HP</b>	40	<b>CLASS</b>	F	<b>HZ</b>	60
<b>RPM</b>	3530	<b>PH</b>	3	<b>DES</b>	A
<b>VOLT</b>	230/460	<b>KVA-CODE</b>	G	<b>ODE BRG</b>	6311 DE BRG 6312
<b>AMP</b>	92/46	<b>USABLE AT 208V</b>	100		
<b>RATING</b>	40C AMB-CONT	<b>GREASE</b>	POLYREX EM		
<b>NEMA-NOM-EFF</b>	92.4	<b>PF</b>	88	<b>SER.F.</b>	1.25
	SFA 114/57				
<b>HTR-VOLTS</b>		<b>HTR-AMPS</b>			

## Parts list

Part number	Description	Quantity
SA388380	SA 12-0000-1640	1.000 ea
RA378741	RA 12-0000-1640	1.000 ea
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 ea
LB1119N	WARNING LABEL	1.000 ea
LC0104A01	CONNECTION DIAGRAM	1.000 ea
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 ea
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	1.000 ea
12FH1002SP	FAN COVER, CAST	1.000 ea
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 ea
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	4.000 ea
37FN3002B04	EXFN, PLASTIC, 7.50 OD, 2.003 ID	1.000 ea
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 ea
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.200 lb
12EP1107A188	FREP W/"O" DRAIN W/O RET RING HLS	1.000 ea
HA3400A13	STUD, 1/2-13 X 7" WELKER	4.000 ea
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 ea
HW5100A13	W4627-047 WVY WSHER	1.000 ea
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
12EP1105A121	PU ENDPLATE, MACH W/"O" DRAIN	1.000 ea
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 ea
10XN5013K28	1/2-13 X 1.75 HEX HEAD MACH SCREW,GRAD	4.000 ea
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 ea
10XN3118K40	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea

HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 ea
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 ea
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 ea
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 ea
10CB3500SP	CONDUIT BOX LID, CAST	1.000 ea
10GS1000SP	GASKET, CONDUIT BOX LID	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 ea
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.125 ga
12PA1000	PACKAGING GROUP PRINT PK1024A07	1.000 ea
HW2501H18	KEY, 1/2 SQ X 2.000	1.000 ea

**AC Induction Motor Performance Data**

Record # 33203

Typical performance - not guaranteed values

Winding: 12WGY403-R001		Type: 1240M	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	40	Full Load Torque	59.2 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	92/46	Breakdown Torque	230 LB-FT	
R.P.M.	3530	Pull-up Torque	78.7 LB-FT	
Hz	60 Phase	Locked-rotor Torque	108 LB-FT	
NEMA Design Code	A KVA Code	Starting Current	305 A	
Service Factor (S.F.)	1.15	No-load Current	13.7 A	
NEMA Nom. Eff.	92.4 Power Factor	Line-line Res. @ 25°C	0.15743 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	65°C	
S.F. Amps		Temp. Rise @ S.F. Load	78°C	
		Locked-rotor Power Factor	21.5	
		Rotor inertia	3.13 LB-FT <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 40 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	61	79	86	88	89	89	89
Efficiency	87.1	91.6	92.6	92.6	92.1	91.3	92.3
Speed	3585.4	3571.9	3557.9	3543.1	3526.6	3509.7	3533
Line amperes	18	26.1	35.6	46	57.4	69.2	52.8

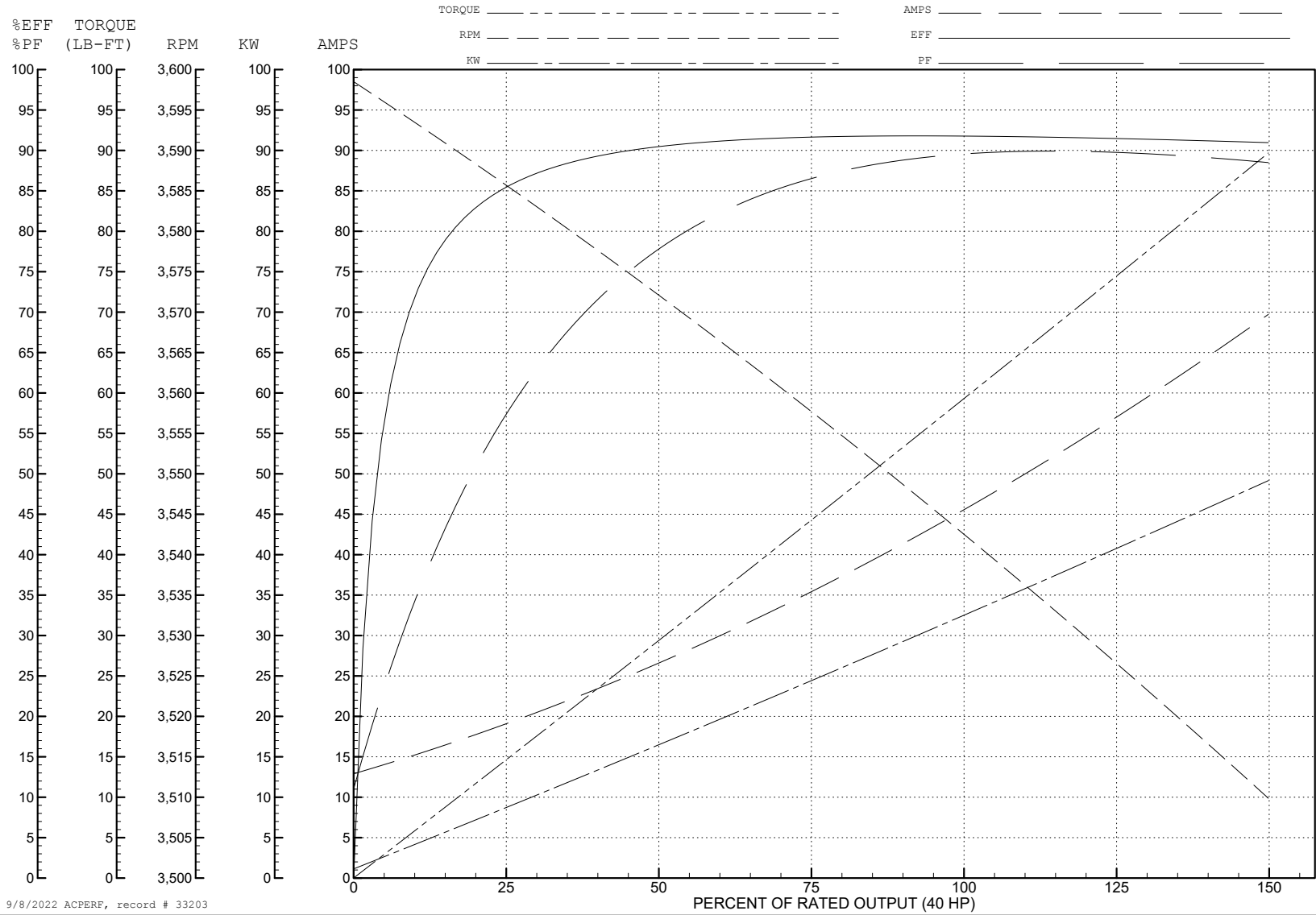
ABB Motors and Mechanical Inc.

WINDING # 12WGY403

Typical performance - not guaranteed values.

40 HP 3 PH 60 HZ 3530 RPM 460 V 1240M

TORQUES (LB-FT): PO=230 PU=78.7 LR=108 LRA=305



9/8/2022 ACPERF, record # 33203



