

BALDOR® • RELIANCE

Product Information Packet

XYLEM Water Systems USA

09S001X763G1

20HP,3520RPM,3PH,60HZ,256TCZ,0940M,TEFC

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Prod. Type:	0940M	Elec. Spec:	09WGX763	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09S01	Layout:	09LYS001
Frame:	256TCZ	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-06-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.									
SPEC.	09S001X763G1								
HP	20								
VOLTS	230/460								
AMP	45/22.5								
RPM	3520								
FRAME	256TCZ	HZ			60	PH		3	
SER.F.	1.15	CODE			H	DES		B	CL F
NEMA-NOM-EFF	92.4	PF			90				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			49				
DE	6309	ODE			6208				
ENCL	TEFC	SN							
	C14742BPE								

Parts List		
Part Number	Description	Quantity
SA080903	SA 09S001X763G1	1.000 EA
RA074289	RA 09S001X763G1	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
09CB3000SP	CONDUIT BOX CAST	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A14SP	ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
09EP1300A13	ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	8.000 EA

Parts List (continued)		
Part Number	Description	Quantity
09FH4000SP	FAN COVER, STAMPED	1.000 EA
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
09GS1001SP	GASKET-CONDUIT BOX LID, 1/16 THICK LEXID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
HW2501D14	KEY, 3/16 SQ X 1.500	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.500 ID	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	4.000 EA
LC0005E02	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 1728 - Typical performance - not guaranteed values

Winding: 09WGX763-R001	Type: 0940M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20			Full Load Torque	29.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	45/22.5			Breakdown Torque	132 LB-FT
R.P.M.	3520			Pull-up Torque	33.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	50.8 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	165.7 A
Service Factor (S.F.)	1.15			No-load Current	6.79 A
NEMA Nom. Eff.	92.4	Power Factor	90	Line-line Res. @ 25°C	0.411 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	98°C
				Rotor inertia	1.02 LF ²

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	79	86	90	91	91	90
Efficiency	89	92.5	93	92.5	91.7	90.5	92.1
Speed	3582	3563	3543	3523	3501	3476	3510
Line amperes	8.95	12.78	17.5	22.59	28.14	34.22	25.89

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values





