Scan. Order. Done. Details on page A1.

Dayton

Brand

Dayton



Item

Nn

4UA71

2ZXT3 2ZXR8

6GPG4

4UA67 4UA63

111060

4UA65 4UA76

6GPG3

5PXY0

1XMA4

4UA73 4UA64 4UA77

490057

2ZXR9 2ZXT6 5GUP4

Dayton

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Mfr

Model

4UA71

2ZXT3 27XB8

6GPG4

4UA67 4UA63

411A6

4UA65 4UA76

6GPG3

5PXY0

50SPH20

4UA73 4UA64 4UA77 50SPH70 50SPH90

2ZXR9 2ZXT6 5GUP4

Self-Priming Straight Centrifugal Pumps

NPT connections

Pumps use suction lift to draw liquids from a source located below the pump's inlet. Before first use, these pumps must be primed to ensure a proper seal. 3-phase units do not have overload protection and require a pump control box, sold separately on page 2512. Aluminum resists corrosion better than cast iron Flow Rate Flow Rate Flow Rate

Cast Iron Housing

20 ft

Flow hate Flow hate Flow hate Suction Lift of Head of Head of Head HP (Maximum) (Maximum) (Maximum) Single Phase, 115/208-230V AC

68 gpm

65 gpm

63 gpm

and is lightweight. Bronze is corrosion-resistant and can handle potable water if NSF-certified. Cast Iron is more cost-effective but less corrosion-resistant than stainless steel, bronze, and aluminum. Stainless Steel resists corrosion better than other materials and handles a wider range of liquids, including potable water if NSF-certified.

Intake & Motor Discharge Size Enclosure

ODP



Single Phase 115V A Aluminum 5PXY0



Three Phase, 208-230/460V AC, Cas 4UA73

	otannoaa	olecti nou	anny										
	11/2	6 ft	91 gpm	79 gpm	66 gpm	50 ft	28 to 73 gpm	25 to 45 ft	1 ½ in , 1 ½ in	TEFC	Dayton		
	3/4	6 ft	61 gpm	52 gpm	42 gpm	50 ft	14 to 52 gpm	20 to 45 ft	1 ½ in , 1 ½ in	TEFC	Dayton		
	Single Phase, 115/230V AC												
	Aluminun	n Housing											
	1/3	25 ft	33 gpm	17 gpm	6 gpm	32 ft	36 gpm	15 to 25 ft	1 ½ in , 1 ½ in	ODP	Dayton		
	Cast Iron	Housing											
	1/2	20 ft	54 gpm	49 gpm	42 gpm	78 ft	18 to 38 gpm	40 to 60 ft	<u>1 ½ in , 1 ½ in</u>	ODP	Dayton		
	1/3	7 ft	43 gpm	36 gpm	27 gpm	41 ft	26 to 30 gpm	27 to 30 ft	1 in , 1 in	ODP	Dayton		
	3/4	20 ft	66 gpm	64 gpm	62 gpm	82 ft	30 to 50 gpm	50 to 62 ft	<u>1 ½ in , 1 ½ in</u>	ODP	Dayton		
	1	20 ft	76 gpm	74 gpm	72 gpm	<u>90 ft</u>	41 to 52 gpm	60 to 70 ft	<u>1 ½ in , 1 ½ in</u>	ODP	Dayton		
	2	20 ft	. —	115 gpm	108 gpm	72 ft	63 to 100 gpm	46 to 60 ft	2 in , 2 in	ODP	Dayton		
	Stainless	Steel Hou	sing										
	1/3	25 ft	33 gpm	17 gpm	6 gpm	32 ft	36 gpm	15 to 25 ft	<u>1 ½ in , 1 ½ in</u>	ODP	Dayton		
Single Phase, 115V AC													
	Aluminun	n Housing											
	1/2	6 ft	38 gpm	32 gpm	24 gpm	46 ft	15 to 24 gpm	30 to 40 ft	1 in , 1 in	ODP	Dayton		
	Single Phase, 230V AC												
	Cast Iron	Housing											
	5	—	176 gpm	134 gpm	—	138.6 ft	35 gpm	50 ft	2 ½ in , 2 in	TEFC	Goulds		
	Three Ph	ase, 208-2	30/460V AC										
	Cast Iron	Housing											
	11/2	20 ft	68 gpm	65 gpm	63 gpm	96 ft	41 to 67 gpm	56 to 80 ft	1 ½ in , 1 ½ in	ODP	Dayton		
	3/4	20 ft	66 gpm	64 gpm	62 gpm	82 ft	30 to 50 gpm	50 to 62 ft	1 ½ in , 1 ½ in	ODP	Dayton		
	2	20 ft	_	115 gpm	108 gpm	72 ft	58 to 100 gpm	46 to 60 ft	2 in , 2 in	ODP	Dayton		
ิก	5 -	—	176 gpm	134 gpm	—	138.6 ft	—	104 to 138 ft	2 ½ in , 2 in	ODP	Goulds		
	5	_	176 gpm	134 gpm	_	138.6 ft	_	104 to 138 ft	2 ½ in , 2 in	TEFC	Goulds		
Stainless Steel Housing													
	3/4	6 ft	61 gpm	52 gpm	42 gpm	50 ft	14 to 52 gpm	20 to 45 ft	1 ½ in , 1 ½ in	TEFC	Dayton		
	2 -	6 ft	123 gpm	113 gpm	99 gpm	63 ft	26 to 99 gpm	30 to 60 ft	1 ½ in , 1 ½ in	TEFC	Dayton		
	<u> </u>	20 ft		115 gpm	108 gpm	72 ft	64 to 90 gpm	49 to 60 ft	2 in , 2 in	ODP	Dayton		

Maximum

Feet of Head*

96 ft

Best

Efficiency

Flow

Best

Efficiency

Head

41 to 67 gpm 56 to 80 ft 1 ½ in , 1 ½ in

Chemical-Resistant Straight Centrifugal Pumps

 Closed impeller 3450 rpm

Desist serregion or

304 Stainless Steel Housing 4JMV7

Noryl Housing 2YEW3

Polypropylene Housing 2YER5



in-line with the impeller's eye and shaft. Choosing
the appropriate pump housing material reduces the
risk of pump failure and decreases the time between
maintenance and repair. Refer to the manufac-
turer's chemical compatibility guide for additional
information. 3-phase pumps do not have overload
protection, which must be provided by a starter unit
sold separately, see page 153.

* To convert to psi, divide total feet of head by 2.31. † TEFC = Totally Enclosed Fan Cooled. ODP = Open Dripproof.

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Stainless Steel Housing-Durable, highly resistant to corrosive chemicals and abrasive liquids, and are easily cleaned. Carbon, ceramic, stainless steel, and viton seals. Noryl Housing-Made of plastic that is highly resistant to chemicals. Pumps only handle some solvents and should not be used to transfer fuel or oil. Carbon, ceramic, noryl, and viton seals.

Polypropylene Housing—Feature lightweight plastic that is highly resistant to corrosives. Buna-N, carbon, ceramic, and stainless steel seals.

Horsepower		Flow Rate	Flow Rate @ 10 ft of Head	Flow Rate @ 15 ft of Head	Flow Rate @ 20 ft of Head) d Feet of Head*		Discharge	Viscosity	Media Temperature	Motor	Shaft Outer	Item
(Maximum)	Nameplate Voltage	(Maximum)	(Maximum)	(Maximum)	(Maximum)	(Maximum)	Suction Port	Port	(Maximum)	(Maximum)	Encl.†	Diameter	No.
304 Stainless Steel Housing & Impeller													
Single Phase		-											
3⁄4 hp	115/230V AC	58 gpm	46 gpm	44 gpm	42 gpm	62 ft	1 1/4 in NPT	3⁄4 in NPT	31 SUS	200 °F	TEFC	7∕16 in	4JMW9
1 hp	115/230V AC	90 gpm	75 gpm	70 gpm	65 gpm	65 ft	1 1/2 in NPT	1 1/4 in NPT	31 SUS	200 °F	ODP	7∕16 in	4JMV7
Three Phase													
3⁄4 hp	208-230/460V AC	58 gpm	46 gpm	44 gpm	42 gpm	62 ft	1 1/4 in NPT	3/4 in NPT	31 SUS	200 °F	TEFC	7⁄16 in	4JMX1
1 hp	208-230/460V AC	90 gpm	75 gpm	70 gpm	65 gpm	65 ft	1 1/2 in NPT	1 1/4 in NPT	31 SUS	200 °F	TEFC	7∕16 in	4JMX3
1 ½ hp	208-230/460V AC	116 gpm	100 gpm	98 gpm	95 gpm	78 ft	1 1/2 in NPT	1 ¼ in NPT	31 SUS	200 °F	TEFC	1∕16 in	4JMX5
3 hp	208-230/460V AC	150 gpm	144 gpm	138 gpm	131 gpm	81 ft	2 in NPT	1 ½ in NPT	31 SUS	200 °F	TEFC	7⁄16 in	4JMX9
316 Stainless Steel Housing & Impeller													
Three Phase		150		100	101	8 L /:				000.05	-	27.1	
3 hp	208-230/460V AC	150 gpm	144 gpm	138 gpm	131 gpm	81 ft	2 IN NPT	1 ½ IN NP I	260 SUS	300 °F	TEFC	16 IN	5WXU1
Noryl Housing	j & Impeller												
Single Phase	115/000 000// 40	07	07	05	00	70.0			100 0110	100.05	TEEO	<i>c</i> (:	0////7
3/4 np	115/208-230V AC	37 gpm	37 gpm	35 gpm	33 gpm	/2 π	1 1/2 IN NPT	1 1/2 IN NP I	100 SUS	180 °F	TEFC	9/8 IN	2YEV/
Inree Phase	000/4001/40	05	05	01	70	04.4			100 000	100.05	TEEO	E/ :	OVEWO
1 ½ np	230/460V AC	85 gpm	85 gpm	81 gpm	78 gpm	84 TL	1 1/2 IN NPT	1 1/2 IN NPT	100 505	180 °F	TEFC	9/8 IN	ZYEW3
2 np	230/460V AU	96 gpm	96 gpm	92 gpm	89 gpm	91 11	1 1/2 IN NPT	1 1/2 IN NPT	100 505	180 °F	TEFU	9/8 IN	ZYEW5
3 np	208-230/460V AC	123 gpm	123 gpm	T 19 gpm	115 gpm	95 TL	1 1/2 IN NP I	1 /2 IN NP I	100 505	180 F	TEFC	9/8 IN	ZYEW/
Single Phooe	e nousing & imperie	ſ											
34 hn	115/0201/ 10	27 anm	27 anm	25 anm	22 anm	70 ft	1 16 in NDT	1 16 in MDT	100 0110	140 °E	000	56 in	2VED5
94 HP	115/230V AC	55 gpm	55 gpm	54 gpm	53 gpm	72 IL 70 ft	1 16 in NPT	1 16 in MPT	100 303	140 F		98 III 56 in	27607
Three Phase	113/230V AG	55 gpm	55 gpm	J4 ypin	55 gpm	7511	1 72 11 141 1	1 72 111 111 1	100 303	140 1	UDI	78 111	211117
1 1/2 hn	208-230/460V AC	85 anm	85 anm	81 anm	78 anm	84 ft	1 16 in NPT	1 1/2 in MPT	100 SUS	140 °E	ODP	5% in	2VEII1
2 hn	208-230/460V AC	96 gpm	102 gpm	92 gpm	99 gpm	91 ft	1 1/2 in NPT	1 1/2 in NPT	100 SUS	140 °F	TEEC	5/e in	2YEII3
3 hn	230/460V AC	123 apm	123 gpm	119 gpm	115 gpm	95 ft	1 1/2 in NPT	1 1/2 in NPT	100 SUS	140 °F	TEFC	5/8 in	2YFU5
Horsenower	Housing It	om	reo gpin	rio gpin	iio gpiii	0011		1 /2 11 10 1		110 1	1210	, o	
(Maximum)	Material N	In								Min			ltem
Pedestal Pur	nn. No Motor±	Hor	senower H	tl nusina	em	For Use With		Seal Materi	al	Temn	Ma	x Temn	No
3/4 hp	24	FU8 (Ma	aximum) N	Naterial N	lo. B	enlacement Pun	n Shaft Seal.	For 5/8" Shaft	Dia.	.emp.	inte		
1 hn		FIIQ	16 hn	29	FWQ	Poly Pumps	C	arbon Ceramic	Viton	-40 °E		180 °F	3ACE3

Sarbon, Ceramic, Vitor Silicon Carbide, Viton 3ACF3 Poly Pumps Noryl Pumps Noryl Pumps 1 ½ hp 2YFV1 2YFX2 -40 180 °I Polypropylene Norv Carbon, Ceramic, Vitor Silicon Carbide, Viton 2 hp 3 hp 2YEX3 2YEX5 -40 -40 2YEV2 2YEV3 1 ½ h 3 hp hp

* To convert to psi, divide total feet of head by 2.31. † TEFC = Totally Enclosed Fan Cooled. ODP = Open Dripproof. ‡ Suggested HP for pump heads at stated performance

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