



# FINE MATERIAL WASHER

Up to 1,110 TPH

- Industry's **largest range of sizes** allows us to match equipment to specific requirements. ■
- Market's only dewatering screw capable of handling **material as large as 3/4"**. ■
- Heavy-duty skid frame allows for **crane-free installation** into existing footprints. ■
- One machine** for dewatering, classifying and washing materials. ■



# FEATURES



**SINGLE OR TWIN SCREWS**



**SLINGER PROTECTS LOWER BEARING**



**CURVED BELLY PAN**



**GUARDED DRIVE SYSTEM**



**FLUSH-BACK NOZZLE**



**LOAD ZONE BAFFLE SETTLES FINES**

## DEWATERING SCREW

- Single or twin models
- Flights are protected with adjustable 1" thick rubber wear shoes
- Extended shaft and slinger protects lower bearing from water leakage

## DRIVE SYSTEM

- Electrical 3-phase, 60Hz, 460V motor
- Off-the-shelf, shaft-mounted gear reducer
- Belt and guarding

## WASH BASIN

- Flush-back nozzle promotes efficient dewatering by removing stagnant sand near discharge

- Adjustable weir plates level overflow water, maximizing retention of desirable fines
- Baffle, located behind load zone, calms water for better retention of fines
- Heavy-duty skid frame
- Lifting points
- Drain for easy clean out
- Support legs



**DISCHARGE CHUTE**

- DISCHARGE CHUTE
- HYDRAULIC DRIVE



**A532 WEAR SHOES**

- A532 WEAR SHOES
- URETHANE WEAR SHOES



**PERSONAL SAFETY COVERS AND GUARDING**

- PERSONAL SAFETY COVERS
- GUARDING

# IN-STOCK PARTS



**WEAR SLEEVE AND LOWER SEAL**

- STAINLESS STEEL WEAR SLEEVE
- HEAVY-DUTY RUBBER LOWER SEAL
- HEAVY WALLED STEEL PIPE SHAFTS



**DRIVE COMPONENTS**

- RUBBER WEAR SHOES
- A532 AND URETHANE WEAR SHOES
- BELLY PANS



**RUBBER WEAR SHOES**

- LOWER BEARING RETROFIT KITS FOR OTHER MANUFACTURERS' WASHERS
- ELECTRIC OR HYDRAULIC DRIVE COMPONENTS

# SPECIFICATIONS

## FINE MATERIAL WASHER – SINGLE SCREW

Screw Size in x ft (mm x m)	Capacity TPH (MTPH)	Peripheral Screw Speed FPM (MPS)	Screw Speed RPM	Motor Size HP (kw)	Water Capacity - GPM (m <sup>3</sup> /sec)			Discharge Chute Weight lbs (kg)	Estimated Empty Weight lbs (kg)
					100 Mesh	150 Mesh	200 Mesh		
12" x 14' (304 x 4)	20 (18)	120 (0.6)	40	3 (2.0)					
	15 (13)	90 (0.4)	30	3 (2.0)	150 (0.009)	100 (0.006)	50 (0.003)	80 (36)	3,000 (1,360)
	10 (9)	60 (0.3)	20	3 (2.0)					
	5 (4)	30 (0.1)	10						
24" x 24' (609 x 7)	50 (45)	200 (1.0)	32	7.5 (5.5)					
	38 (34)	150 (0.8)	24	5 (3.5)	500 (0.03)	225 (0.01)	125 (0.007)	120 (54)	6,500 (2,948)
	25 (22)	100 (0.5)	16	5 (3.5)					
30" x 24' (762 x 7)	75 (68)	200 (1.0)	25	15 (11.0)					
	60 (54)	150 (0.8)	19	10 (7.5)	575 (0.03)	275 (0.01)	160 (0.01)	140 (64)	8,300 (3,765)
	50 (45)	100 (0.5)	13	7.5 (5.5)					
36" x 25' (914 x 7)	100 (90)	200 (1.0)	20	15 (11.0)					
	75 (68)	150 (0.8)	15	10 (7.5)	700 (0.04)	330 (0.02)	180 (0.01)	150 (68)	10,600 (4,808)
	50 (45)	100 (0.5)	12	7.5 (5.5)					
44" x 32' (1,118 x 10)	175 (159)	200 (1.0)	17	20 (15.0)					
	130 (118)	150 (0.8)	14	15 (11.0)	1,600 (0.10)	750 (0.04)	425 (0.02)	240 (109)	16,340 (7,412)
	85 (77)	100 (0.5)	9	10 (7.5)					
48" x 35' (1,219 x 11)	200 (181)	200 (1.0)	16	30 (22.0)					
	150 (136)	150 (0.8)	12	25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)	350 (159)	25,000 (11,340)
	100 (91)	100 (0.5)	8	20 (15.0)					
54" x 35' (1,372 x 11)	275 (249)	200 (1.0)	15	25 (18.5)					
	210 (191)	150 (0.8)	12	20 (15.0)	1,900 (0.11)	950 (0.05)	575 (0.03)	240 (109)	18,400 (8,346)
	140 (127)	100 (0.5)	8	15 (11.0)					
60" x 35' (1,524 x 11)	340 (308)	200 (1.0)	14	40 (29.5)					
	255 (231)	150 (0.8)	9	30 (22.0)	2,200 (0.13)	1,050 (0.06)	600 (0.03)	350 (159)	27,500 (12,474)
	170 (154)	100 (0.5)	7	25 (18.5)					
66" x 35' (1,676 x 11)	400 (363)	200 (1.0)	13	50 (37.0)					
	300 (272)	150 (0.8)	11	40 (29.5)	2,400 (0.15)	1,200 (0.07)	650 (0.04)	350 (159)	29,160 (13,227)
	200 (181)	100 (0.5)	7	30 (22.0)					
72" x 38' (1,829 x 12)	475 (431)	235 (1.2)	13	60 (44.0)					
	360 (327)	180 (0.9)	10	50 (37.0)	2,600 (0.16)	1,300 (0.08)	700 (0.04)	450 (204)	31,880 (14,461)
	240 (218)	126 (0.6)	7	40 (29.5)					
84" x 38' (2,134 x 12)	600 (544)	260 (1.3)	11	75 (55.0)					
	450 (408)	160 (0.8)	8	60 (44.0)	3,100 (0.19)	1,600 (0.10)	850 (0.05)	550 (227)	43,000 (19,504)
	300 (272)	110 (0.6)	5	50 (37.0)					

# SPECIFICATIONS

FINE MATERIAL WASHER – TWIN SCREW									
Screw Size in x ft (mm x m)	Capacity TPH (MTPH)	Peripheral Screw Speed FPM (MPS)	Screw Speed RPM	Motor Size HP (kw)	Water Capacity - GPM (m <sup>3</sup> /sec)			Discharge Chute Weight lbs (kg)	Estimated Empty Weight lbs (kg)
					100 Mesh	150 Mesh	200 Mesh		
24" x 24' (609 x 7)	100 (90)	200 (1.0)	32	(2) 7.5 (5.5)	890 (0.05)	420 (0.02)	235 (0.01)	240 (109)	14,800 (6,713)
	75 (68)	150 (0.8)	24	(2) 5 (3.5)					
	50 (45)	100 (0.5)	16	(2) 5 (3.5)					
30" x 24' (762 x 7)	150 (136)	200 (1.0)	25	(2) 15 (11.0)	1,000 (0.06)	490 (0.03)	280 (0.02)	270 (122)	15,700 (7,121)
	120 (108)	150 (0.8)	19	(2) 10 (7.5)					
	100 (91)	100 (0.5)	13	(2) 7.5 (5.5)					
36" x 25' (914 x 7)	200 (181)	200 (1.0)	20	(2) 15 (11.0)	1,250 (0.07)	620 (0.04)	340 (0.02)	280 (127)	17,000 (7,711)
	150 (136)	150 (0.8)	15	(2) 10 (7.5)					
	100 (91)	100 (0.5)	10	(2) 7.5 (5.5)					
44" x 32' (1,118 x 10)	350 (318)	200 (1.0)	17	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)	350 (159)	30,000 (13,608)
	260 (236)	150 (0.8)	14	(2) 15 (11.0)					
	170 (154)	100 (0.5)	9	(2) 10 (7.5)					
48" x 35' (1,219 x 11)	400 (363)	200 (1.0)	16	(2) 25 (18.5)	3,000 (0.18)	1,450 (0.09)	750 (0.04)	380 (172)	40,000 (18,144)
	300 (272)	150 (0.8)	12	(2) 20 (15.0)					
	200 (181)	100 (0.5)	8	(2) 15 (11.0)					
54" x 35' (1,372 x 11)	550 (499)	200 (1.0)	15	(2) 30 (22.0)	3,500 (0.22)	1,750 (0.11)	950 (0.05)	480 (218)	48,000 (21,772)
	420 (381)	150 (0.8)	12	(2) 25 (18.5)					
	280 (254)	100 (0.5)	8	(2) 15 (11.0)					
60" x 35' (1,524 x 11)	680 (617)	200 (1.0)	14	(2) 40 (29.5)	3,700 (0.23)	1,800 (0.11)	975 (0.06)	580 (263)	60,000 (27,216)
	510 (463)	150 (0.8)	9	(2) 30 (22.0)					
	340 (308)	100 (0.5)	7	(2) 25 (18.5)					
66" x 35' (1,676 x 11)	800 (726)	200 (1.0)	13	(2) 50 (37.0)	4,000 (0.25)	2,000 (0.12)	1,200 (0.07)	650 (295)	62,000 (28,123)
	600 (544)	150 (0.8)	11	(2) 40 (29.5)					
	400 (363)	100 (0.5)	7	(2) 30 (22.0)					
72" x 38' (1,829 x 12)	950 (862)	235 (1.2)	13	(2) 60 (44.0)	4,500 (0.28)	2,200 (0.13)	1,250 (0.07)	750 (340)	64,500 (29,257)
	710 (644)	180 (0.9)	10	(2) 50 (37.0)					
	475 (431)	126 (0.6)	7	(2) 40 (29.5)					
84" x 38' (2,134 x 12)	1,100 (998)	224 (1.1)	12	(2) 75 (55.0)	4,800 (0.30)	2,500 (0.15)	1,350 (0.08)	850 (386)	70,500 (31,978)
	825 (748)	180 (0.9)	9	(2) 60 (44.0)					
	550 (499)	120 (0.6)	6	(2) 50 (37.0)					



# PHOTO GALLERY

