

# Motor Specification

Motor Size inch (mm)	Lobes	Stages	Speed rev per gal (litre)	Flow Rate gpm (lpm)	Bit Speed rpm	Torque F-lb (N-m)
2 1/16 (52)	4:5	7	14.600 (3.862)	20-50 (761-89)	200-730	310 (420)
	5:6	3	4.444 (1.176)	25-45 (951-70)	50-200	220 (298)
2 7/8 (73)	5:6	3	2.600 (0.686)	40-100 (1523-79)	100-260	690 (936)
	7:8	4	2.917 (0.771)	60-120 (227-454)	100-350	1,000 (1,356)
3 1/8 (79)	7:8	4	2.917 (0.771)	60-120 (227-454)	100-350	1,000 (1,356)
3 1/2 (89)	5:6	3	1.500 (0.396)	70-160 (265-606)	100-240	960 (1300)
3 3/4 (95)	1:2	4	3.929 (1.038)	60-140 (227-530)	200-550	650 (881)
	5:6	3	1.368 (0.362)	80-190 (303-719)	100-260	1,340 (1,817)
4 3/4 (120)	9:10	4	1.071 (0.283)	60-140 (227-530)	50-150	1,550 (2,100)
	5:6	3	0.700 (0.185)	100-250 (379-946)	70-175	2,110 (2,861)
	5:6	4	0.700 (0.185)	100-250 (379-946)	70-175	2,810 (3,810)
	5:6	5	0.700 (0.185)	100-250 (379-946)	70-175	3,515 (4,766)
	7:8	3	0.600 (0.159)	100-250 (379-946)	40-150	2,835 (3,844)
9:10	4	0.700 (0.185)	100-250 (379-946)	70-175	4,960(6,725)	
5 1/2 (140)	5:6	4	0.500 (0.132)	200-400 (7571,514)	100-200	4,220 (5,722)
6 1/2 (165)	5:6	4	0.360 (0.095)	200-500 (7571,893)	75-180	4,910 (6,657)
	5:6	5	0.360 (0.095)	200-500 (7571,893)	75-180	6,625 (8,982)
	5:6	6	0.360 (0.095)	200-500 (757-1,893)	75-180	6,900 (9,355)
	9:10	3.7	0.140 (0.037)	200- 500 (7571,893)	20-70	12,000 (16,270)
	9:10	4	0.360 (0.095)	200-500 (7571,893)	50-180	10,900 (14,786)
6 3/4 (172)	3:4	6	0.500 (0.132)	250-600 (946-2,271)	90-300	7,500 (10,169)
	5:6	4	0.300 (0.079)	250-600 (946-2,271)	80-180	5,535 (7,500)
	5:6	5	0.300 (0.079)	250-600 (946-2,271)	80-180	6,690 (9,070)
	5:6	6	0.300 (0.079)	250-600 (946-2,271)	80-180	7,840 (10,630)
	9:10	2	0.300 (0.079)	250-600 (946-2,271)	50-180	8,000 (10,847)
	9:10	4	0.300 (0.079)	250-600 (946-2,271)	50-180	12,400 (16,812)
7 3/4 (197)	5:6	4	0.200 (0.053)	300-900 (1,1353,407)	80-180	8,485 (11,500)
	5:6	5	0.200 (0.053)	300- 900 (1,1353,407)	80-180	10,475 (14,200)
	5:6	6	0.200 (0.053)	300-900 (1,1353,407)	80-180	12,465(16,900)
	9:10	4	0.200 (0.053)	300- 900 (1,1353,407)	80-180	14,800 (20,000)
8 1/2 (216)	5:6	4	0.180 (0.048)	400-1,000 (1,5143,785)	80-180	11,655 (15,800)
	5:6	5	0.180 (0.048)	400-1,000 (1,5143,785)	80-180	14,460 (19,600)
	5:6	6	0.180 (0.048)	400-1,000 (1,5143,785)	80-180	17,260 (23,400)
9 5/8 (244)	3:4	6	0.208 (0.055)	500-1,200 (1,8924,542)	100-250	22,800 (30,913)
	5:6	4	0.208 (0.055)	500-1,200 (1,8924,542)	100-250	16,155 (21,900)
	5:6	5	0.208 (0.055)	500-1,200 (1,8924,542)	100-250	16,915 (22,935)
	5:6	6	0.208 (0.055)	500-1,200 (1,8924,542)	100-250	17,100 (23,185)
11 1/4 (286)	3:4	4	0.120 (0.032)	1,000-1,500 (3,7855,678)	100-180	17,500 (23,727)