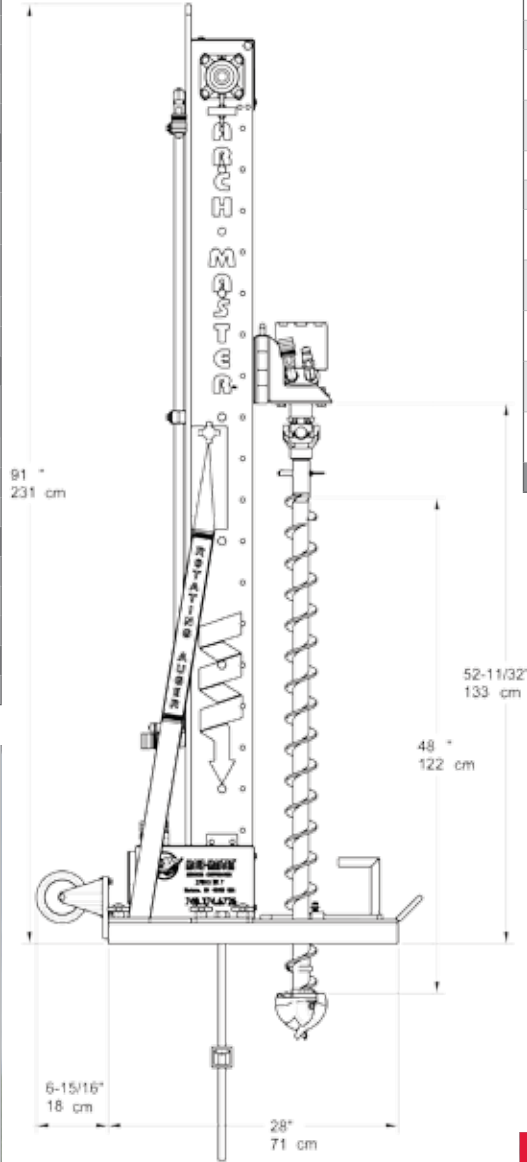


TECHNICAL DATA SPECIFICATIONS

ARCH-MASTER™ TECHNICAL DATA

HYDRAULICS	
10 gal (38 L) hydraulic reservoir	
7.57 gpm (28.7 liters per min) gear pump	
Hi torque drive motors	
2,500 psi (172 bar) relief valve (in tank)	
ISO 32 hydraulic oil	
10 micron return filter	
Open center control valves	
Quick coupling hose connections	
3,250 psi (224 bar) braided hydraulic hoses	
ELECTRIC MOTOR OPTIONS	
5 HP, 3 phase Explosion Proof	230/460 volt
5 HP, 3 phase TEFC (totally enclosed fan cooled)	208-230/460 volt
5 HP, 3 phase TEFC (totally enclosed fan cooled)	575 volt
5 HP, 3 phase, Explosion Proof	575 volt
60 Hz (50 Hz compatible)	
AUGER & BITS	
HD Flights, 3" dia. x 4' L (7.6 cm x 1.2 m) hex drive auger sections	
3.5" (8.9 cm), 6" (15.2 cm) and 10" (25.4 cm) fishtail bits	
3.5" (8.9 cm) carbide tipped bit	
Spring steel drive pins	
DIMENSIONS	
Height 7' 7" (2.3 m)	
Base 28" x 28" (71.1 cm x 71.1 cm)	
Drilling Depth 152' (46 m) max	
WEIGHTS	
See Attached	



ARCH-MASTER™ WEIGHTS

PART #	DESCRIPTION	WEIGHT LBS.	WEIGHT KG
RM1000-00	Rotations Motor Assembly	46	21
MA1000-00	Mast Assembly	230	104.3
BF1000-00	Base Frame Assembly	40	18.1
SA1000-00	Left Side Arm	9	4
SA1001-00	Right Side Arm	9	4
PU4000-00-EXP	Hydraulic Power Unit-Explosion Proof Motor	287.5	130.4
HH0120-1	10' (3 m) LG Hydraulic Hose Line (8)	25.5	11.6
CV4000-00	Control Valve Assembly	32	14.5
SP1000-00	Slide Plate Assembly	18	8.2
AA1000-00	Auger (1) 4' (1.2 m) section	18	8.2
AA1035-00	3.5" (89 mm) Fishtail Bit Assembly	4	1.8
AA1060-00	6" (1.8 m) Fishtail Bit Assembly	6	2.7
AA1100-00	10" (3 m) Fishtail Bit Assembly	9	4
AA1135-00	3.5" (89 mm) Carbide Bit Assembly	3	1.4
TOTAL		737	334.2

