

# ICE® MODEL 115-50 HYDRAULIC ROTARY HEAD

POWERED BY **MODEL 460T & 580T POWER UNITS**

Two speed-torque combinations – Enabling choice of high speed or high torque  
High crowd and extraction forces to maximize drilling production.  
Choice of two power units for maximum performance or most economical.  
Angle guides for 32” or 36” leads. Optional guides for leads side-mount.  
Hex or API auger flighting connectors and/or hollow output shaft are avail.

PERFORMANCE		115-50 WITH 460T		115-50 WITH 580T	
<b>HIGH-TORQUE SETTING</b>					
TORQUE	11600 FT-LBS	157200 NM	116000 FT-LBS	157200 NM	
SPEED*	17 RPM	17 RPM	22 RPM	22 RPM	
<b>HIGH-SPEED SETTING</b>					
TORQUE	45600 FT-LBS	61900 NM	58000 FT-LBS	78600 NM	
SPEED*	33 RPM	33 RPM	50 RPM	50 RPM	

\* SPEEDS ARE SHOWN FOR FREE-HANGING (NO-LOAD) UNITS. SPEED UNDER ACTUAL CONDITIONS MAY BE 10% TO 15% LOWER.  
\*\* MAX SPEED & MAX TORQUE CAN NOT RUN AT THE SAME TIME NOR EXCEEDS HP LIMIT.



CAPABILITIES, WEIGHTS & DIMENSIONS		
CROWD FORCE	80,000 LBS	355 kN
EXTRACTION FORCE	80,000 LBS	355 kN
OPTIONAL SHAFT ID	7.375 IN	185 MM
OPTIONAL SWIVEL JOINT ID	5 IN	125 MM
WEIGHT WITH GUIDE & SWIVEL	7,500 LBS	3400 KG
WEIGHT OF 100' (30M) HOSES	1,340 LBS	610 KG
HEIGHT (H)	103 IN	2600 MM
WIDTH FOR LEADS	32/36 IN	813/914 MM
DEPTH (CF + CR)	40 IN	1000 MM
CENTER TO FRONT (CF)	25 IN	635 MM
CENTER TO REAR (CR)	20 IN	505 MM

POWER UNIT SPECIFICATIONS		MODEL 460T		MODEL 580T	
ENGINE	CAT C9.3B	TIER 4 / STAGEV	CAT C13B	TIER 4 / STAGEV	
POWER	456 HP	340 KW	577 HP	430 KW	
FLOW (ZERO LOAD)	125 GPM	480 LPM	157 GPM	595 LPM	
MAX PRESSURE	5500 PSI	380 BAR	5300 PSI	365 BAR	
WEIGHT	13500 LBS	6125 KG	20,100 LBS	9120 KG	
LENGTH	143 IN	3635 MM	180 IN	4575 MM	
HEIGHT	72 IN	1830 MM	80 IN	2035 MM	
WIDTH	92 IN	2320 MM	100 IN	2540 MM	

Angle guides for 32” or 36” (813 or 914 mm) leads. Optional guides for leads side-mount.  
7 1/8” (185 mm) Hollow output shaft. Optional 5” (125 mm) swivel for injecting air, water, grout or concrete.  
Available Hex or API auger flighting connectors.  
Hollow output shaft. Available swivel for injecting air, water or grout.  
Remote-control pendant with emergency stop & engine speed control for fuel efficiency.  
Maximum efficiency and reliability ensured by our open-loop hydraulic system.

Highest quality, reliable piston pumps and motor.  
ICE power units may be used for additional ICE equipment.



**DESIGNED AND MANUFACTURED IN USA BY ICE®**  
**WORLD LEADER IN COST-EFFECTIVE FOUNDATION EQUIPMENT SINCE 1974.**

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