



Diesel-Hydraulic Power Pack



An Oshkosh Corporation Company

35DHP



OPERATES OPEN-CENTER HYDRAULIC SYSTEMS ON MECHANICS TRUCKS

The IMT 35DHP power unit is a diesel engine driven hydraulic power source that will operate the hydraulic needs for a crane and compressor. The compactness of the unit allows it to be mounted on top of the sidepack and not in the load bed of the body. It is designed to use the existing hydraulic system on the mechanics truck to drive the crane and compressor.

The 35DHP can operate most cranes and compressors independently. The exceptions to this are large rotary screw compressors that demand higher flow requirements. With available hydraulic flow of up to 10 GPM at 3,000 PSI, the unit will run the most common applications effortlessly.

HYDRAULIC TELESCOPIC CRANES

1015	5525	8600
2020	6025	9500
2820	6625	10000
3020	7025	12000
3820	8025	14000
5020	7500	

HYDRAULICALLY DRIVEN AIR COMPRESSORS

CAS435HA (reciprocating)

IMT. Nothing Says Commitment Like The Diamond.SM





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OPERATIONAL CHARACTERISTICS

The unit is capable of operating hydraulic driven air compressors or hydraulic driven cranes. The unit is designed to operate open-center hydraulic systems on a mechanics truck. The following is a list of IMT equipment that the unit can operate:

1. Hydraulic telescopic cranes

1015	5525	8600
2020	6025	9500
2820	6625	10000
3020	7025	12000
3820	8025	14000
5020	7500	

2. Hydraulically driven air compressors

CAS435HA (reciprocating)

3. The following can not be operated

CAS2545 (rotary screw)
 CAS3560 (rotary screw)
 CAS35WG

ENGINE OPERATION

The engine is equipped with an electric start that will have remote start/stop capability from the crane remote handle. It will also be equipped with an electronic idle control for the engine speed. The engine will receive its fuel from the auxiliary fuel port on the chassis fuel system which eliminates the need for an additional fuel tank.

HYDRAULIC SYSTEM

The unit is equipped with a fixed displacement hydraulic pump. The unit will utilize the existing hydraulic reservoir for the system and will have a hydraulic reservoir mounted to it to maintain a flooded inlet for the pump.

Model	35DHP
Overall Dimensions	24" x 42" x 30" (61 x 106.7 x 76.2 cm)
Weight	550 lb (249.5 kg) wet
Engine	4 cylinder liquid cooled
Type	Diesel (Tier 4 compliant)
Starting System	12 VDC
Max. Engine rpm	3600
Gal. per minute @ 3000 rpm	10
Max. Hydraulic Pressure	3500 psi (241.3 bar)
Temperature Range	0° to 180° F (-18° to 82° C)
Hydraulic Oil	ISO 32
Oil Type	Minera
Engine	Kohler®
Peak hp	35
Average Operating hp	21

IMT reserves the right to make changes in engineering, design, and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation.

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