



新型油压脉冲工具——H系列

我们在重新定义气动脉冲工具

Cleco®

使用寿命更长, 使用成本更低, 工具持续工作时间更长

无与伦比的 实际使用效果

新型油压脉冲工具——H系列, 其使用寿命更长, 输出扭矩的精度更高, 其稳定性更是无人可比, 确保了我们的用户的每次拧紧更快更可靠。H系列油压脉冲工具能够实现您所需要的最佳生产效率, 也是我们不断改进我们产品质量的体现。

H系列油压脉冲工具包括有断气式和非断气式2种系列产品, 完全能够满足您的选择需要。具有最佳功率重量比的Cleco H系列新型油压脉冲工具必定成为您的首选。

空载时其耗气量降低50%, 空载速度控制阀控制其速度为3000-4000RPM; 负载时该速度控制阀停止控制, 产生脉冲时的转速达到5500-7500RPM, 确保快速拧紧。

断气速度更快的断气机构, 具有电动控制的某种特性, 输出扭矩精度可达: $\pm 10\%$ @6Sigma。

保证最佳脉冲效果的3腔室马达具有最佳的高动能性, 更大的输出扭矩, 更短的拧紧时间, 而且可使马达的叶片磨损最小化。

断气式油压脉冲工具的脉冲数可调, 确保了其扭矩输出的精度。工具噪音更低, 操作更舒适。

脉冲装置内液压油位标记。

重新设计的脉冲装置确保输出扭矩的稳定性, 在硬链接和软连接应用中均一样, 无与伦比。

最佳的双腔室脉冲装置设计, 自动调节液压油温度, 延长一次性注油的使用寿命。而且装置内更换液压油只需几秒钟。

维护次数更少, 工具工作时间更长。H系列产品实现了500,000次拧紧后才有第一次维护保养。

气动马达的重新设计, 使其人体工程学设计效果更佳, 震动性更小, 操作者使用工具的承受时间更长。

TVP 扭矩验证仪接口。

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	产品型号	输出头尺寸	螺栓规格	扭矩范围 (ft-lbs)	空转时速度 (1/min)	重量 (lbs)	侧面至中心距离 (mm)	长度 (mm)	空转时耗气量 / 脉冲耗气量 (ft ² /min)	空转时噪音 (dB(A))	振动 (m/s ²)	软管内径尺寸
断气式	7PTHH352 7PTHHA352	1/4" Sq.	M5	3.0 - 5.2	3,500	1.74 1.94	21	168	3.53 / 7.06	< 72	< 1.0	3/8"
	7PTHH35Q 7PTHHA35Q	1/4" Int. Hex.	M5	3.0 - 5.2	3,500	1.74 1.96	21	173	3.53 / 7.06	< 72	< 1.0	3/8"
	11PTHH352 11PTHHA352	1/4" Sq.	M6	4.4 - 8.1	3,500	1.81 1.94	21	168	3.53 / 7.06	< 72	< 1.0	3/8"
	11PTHH35Q 11PTHHA35Q	1/4" Int. Hex.	M6	4.4 - 8.1	3,500	1.87 2.01	21	173	3.53 / 7.06	< 72	< 1.0	3/8"
	11PTHH353* 11PTHHA353*	3/8" Sq.	M6	4.4 - 8.1	3,500	1.83 1.96	21	173	3.53 / 7.06	< 72	< 1.0	3/8"
	20PTHH40Q 20PTHHA40Q	1/4" Int. Hex.	M7	7.4 - 14.8	4,000	1.92 2.05	21	173	3.53 / 8.83	< 75	< 1.0	3/8"
	20PTHH403* 20PTHHA403*	3/8" Sq.	M7	7.4 - 14.8	4,000	1.90 2.03	21	173	3.53 / 8.83	< 75	< 1.0	3/8"
	35PTHH40Q 35PTHHA40Q	1/4" Int. Hex.	M8	14.8 - 25.8	4,000	2.31 2.45	24	179	5.30 / 15.89	< 76	< 1.0	3/8"
	35PTHH403* 35PTHHA403*	3/8" Sq.	M8	14.8 - 25.8	4,000	2.31 2.45	24	179	5.30 / 15.89	< 76	< 1.0	3/8"
	55PTHH403* 55PTHHA403*	3/8" Sq.	M10	22.1 - 40.6	4,000	2.54 2.67	24	189	5.30 / 15.89	< 77	< 1.0	3/8"
	80PTHH35Q 80PTHHA35Q	7/16" Int. Hex.	M12	36.9 - 59.0	3,500	3.20 3.33	28.5	192	7.06 / 19.42	< 77	< 1.0	3/8"
	80PTHH354 80PTHHA354	1/2" Sq.	M12	36.9 - 59.0	3,500	3.09 3.31	28.5	190	7.06 / 19.42	< 77	< 1.0	3/8"
	110PTHH30Q 110PTHHA30Q	7/16" Int. Hex.	M12	55.3 - 81.1	3,000	3.75 3.86	28.5	210	7.06 / 19.42	< 78	< 1.0	1/2"
	120PTHH304 120PTHHA304	1/2" Sq.	M12	55.3 - 88.5	3,000	3.75 3.86	28.5	208	7.06 / 19.42	< 78	< 1.0	1/2"

PTHHA = air from the top; Q/Int. Hex. = Quick Change Chuck; Sq. = square drive; * = 7/16" Quick Change Chuck available separately as an accessory

	产品型号	说明
附件	937442PT	Protective cover for 7/11/20PTHHA/7/11/20PHHA
	937443PT	Protective cover for 35PTHHA/35PHHA
	937444PT	Protective cover for 55PTHHA/55PHHA
	937445PT	Protective cover for 80PTHHA/80PHHA
	937446PT	Protective cover for 110/120PTHHA/110/120PHHA
	937447PT	Protective cover for 7/11/20PTHH/7/11/20PHH
	937448PT	Protective cover for 35PTHH/35PHH
	937449PT	Protective cover for 55PTHH/55PHH
	937450PT	Protective cover for 80PTHH/80PHH
	937451PT	Protective cover for 110/120PTHH/110/120PHH



	产品型号	输出头尺寸	螺栓规格	扭矩最大值 (ft-lbs)	空转时速度 (1/min)	重量 (lbs)	侧面至中心距离 (mm)	长度 (mm)	空转时耗气量 (ft ² /min)	空转时噪音 (dB(A))	振动 (m/s ²)	软管内径尺寸
非 断 气 式	7PHH602 7PHHA602	1/4" Sq.	M5	5.2	6,000	1.70 1.81	21	168	8.83	< 74	< 1.6	3/8"
	7PHH60Q 7PHHA60Q	1/4" Int. Hex.	M5	5.2	6,000	1.74 1.85	21	173	8.83	< 74	< 1.6	3/8"
	11PHH653* 11PHHA653*	3/8" Sq.	M6	8.1	6,500	1.74 1.85	21	173	10.59	< 75	< 1.7	3/8"
	11PHH652 11PHHA652	1/4" Sq.	M6	8.1	6,500	1.72 1.85	21	168	10.59	< 75	< 1.7	3/8"
	11PHH65Q 11PHHA65Q	1/4" Int. Hex.	M6	8.1	6,500	1.76 1.96	21	173	10.59	< 75	< 1.7	3/8"
	20PHH753* 20PHHA753*	3/8" Sq.	M7	14.8	7,500	1.85 1.94	21	173	12.36	< 76	< 1.8	3/8"
	20PHH75Q 20PHHA75Q	1/4" Int. Hex.	M7	14.8	7,500	1.90 2.03	21	173	12.36	< 76	< 1.8	3/8"
	35PHH653* 35PHHA653*	3/8" Sq.	M8	25.8	6,500	2.25 2.36	24	179	19.42	< 79	< 1.8	3/8"
	35PHH65Q 35PHHA65Q	1/4" Int. Hex.	M8	25.8	6,500	2.29 2.43	24	179	19.42	< 79	< 1.8	3/8"
	55PHH603* 55PHHA603*	3/8" Sq.	M10	40.6	6,000	2.47 2.58	24	189	22.95	< 80	< 1.8	3/8"
	80PHH604 80PHHA604	1/2" Sq.	M12	59.0	6,000	3.09 3.20	28.5	190	26.49	< 80	< 2.0	3/8"
	80PHH60Q 80PHHA60Q	7/16" Int. Hex.	M12	59.0	6,000	3.13 3.24	28.5	192	26.49	< 80	< 2.0	3/8"
	110PHH55Q 110PHHA55Q	7/16" Int. Hex.	M12	81.1	5,500	3.68 3.79	28.5	210	30.02	< 80	< 2.0	1/2"
	120PHH554 120PHHA554	1/2" Sq.	M12	88.5	5,500	3.64 3.75	28.5	208	30.02	< 80	< 2.0	1/2"

PHHA = air from the top; Q/Int. Hex. = Quick Change Chuck; Sq. = square drive; * = 7/16" Quick Change Chuck available separately as an accessory

	产品型号	说明
附 件	935472	7/16" Quick Change Chuck for 11/20/35/55PTHH/PTHHA/PHH/PHHA
	935965	Vibration absorber for 35/55PTHHA/PHHA
	935966	Vibration absorber for 80/110/120PTHHA/PHHA
	936695PT	Refill-Set reserve oil
	934918	Signal-Kit for torque verifier TVP110
	TVP-110-30-D (230V)*	Torque verifier; 2.72kg; W x H x D 222 x 232 x 105mm

* = Power cable, air signal-transducer, one 8m-cable for connection with air signal-transducer as well as one 2.3m-air cable for connection with transducer at the tool are included in delivery. NOTICE: Tool has to be equipped with a Signal-Kit for TVP-110.