



FELICIA

创新 / 合作 / 共赢

Hydraulic Starters

**AHS、H 系列
液压马达**



FELICIA

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FELICIA AHS、H系列液压马达

液压启动作为一种发动机应急启动方式，其所采用的液压启动马达及液压站不仅结构紧凑，还独立于发动机主体机械部件，性能极为可靠。



-
- 更大启动扭矩**
低速高扭，全扭矩无衰减，重载 / 冷态启动更强劲
-
- 无需电池**
纯液压驱动，无蓄电池、无充电依赖，杜绝低温亏电、更换成本高问题
-
- 快速可靠启动**
毫秒级响应，一次启动成功率近 100%，无延时、卡顿
-
- 更长使用寿命**
无碳刷、无换向器，寿命为电启动的 3-5 倍
-
- 维护需求少**
磨损件极少，自润滑设计，不需专用工具维护，维护成本趋近于零
-
- 环境适应性强**
-40℃~+85℃ 稳定工作，耐高温、严寒、潮湿、多尘、盐雾

FELICIA H 系列柱塞液压马达

	HA	HB	HC	HO	HD	HE
马达排量	8.2cc/r	22cc/r	28cc/r	33 cc/r	57cc/r	96cc/r
输出扭矩	20N·M	61N·M	84N·M	98N.m	163N·M	271N·M
最大转速	7000rpm	7000rpm	4500rpm	4500rpm	4500rpm	3000rpm
发动机排量	2-9L	3-18 L	8-30 L	8-30 L	15-41 L	30-250 L
马达重量	4.95 KG	7.6 KG	7.7 KG	18KG	18KG	20KG
马达长度	296MM	327MM	327MM	441MM	441MM	455MM



FELICIA AHS 系列齿轮驱动液压马达

	AHS30	AHS40	AHS60	AHS63	AHS90
马达排量	32cc/r	40cc/r	63cc/r	63 cm3/r	90cc/r
输出扭矩	70N·M	114.6N·M	176N·M	217.5N·M	252N·M
最大转速	3000rpm				
发动机排量	5-18 L	8-41 L	14-41 L	14-70 L	30-250 L
马达重量	9.64KG	10.5KG	21.96KG	25KG	22.42KG/28KG
马达长度	307mm	406mm	501mm	525mm	456mm/544mm

FELICIA Hydraulic Starters

As a method of emergency engine starting, the hydraulic starter motor and hydraulic power unit used in hydraulic starting are not only compact in design but also independent of the engine’ s main mechanical components, making them extremely reliable.



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Higher starting torque

Low-speed, high-torque performance with no torque drop; delivers more powerful performance during heavy-load and cold-start conditions
- 

No batteries required

Fully hydraulically powered, with no batteries or need for charging, eliminating issues such as power loss in cold weather and high replacement costs.
- 

Fast and reliable startup

Millisecond-level response times, nearly 100% first-time startup success rate, with no lag or stuttering
- 

Longer service life

Brushless and commutator-free, with a service life 3–5 times longer than that of an electric starter
- 

Low maintenance requirements

Very few wear parts, self-lubricating design, no special tools required for maintenance, and maintenance costs are virtually zero
- 

Highly adaptable to different environments

** -40°C to $+85^{\circ}\text{C}$ **: Stable operation; resistant to high temperatures, extreme cold, humidity, dust, and salt fog



FELICIA AHS Series Gear-Driven Hydraulic Starters

	AHS30	AHS40	AHS60	AHS63	AHS90
Engine displacement	32cc/r	40cc/r	63cc/r	63 cm3/r	90cc/r
Output torque	70N·M	114.6N·M	176N·M	217.5N·M	252N·M
Maximum speed	3000rpm				
Engine displacement	5-18 L	8-41 L	14-41 L	14-70 L	30-250 L
Motor weight	9.64KG	10.5KG	21.96KG	25KG	22.42KG/28KG
Motor length	307mm	406mm	501mm	525mm	456mm/544mm

FELICIA H Series Piston Hydraulic Motors

	HA	HB	HC	HO	HD	HE
Engine displacement	8.2cc/r	22cc/r	28cc/r	33 cc/r	57cc/r	96cc/r
Output torque	20N·M	61N·M	84N·M	98N.m	163N·M	271N·M
Maximum speed	7000rpm	7000rpm	4500rpm	4500rpm	4500rpm	3000rpm
Engine displacement	2-9L	3-18 L	8-30 L	8-30 L	15-41 L	30-250 L
Motor weight	4.95 KG	7.6 KG	7.7 KG	18KG	18KG	20KG
Motor length	296MM	327MM	327MM	441MM	441MM	455MM

