

HS 450

- standard Version (363 : 1)
- standard version (363 : 1)
- versione standard (363 : 1)



ACHSE A:

Mechanische Drehung Achse: Max. $\pm 135^\circ$
 Betragt Drehung Achse: Max. $\pm 130^\circ$

Max. Geschwindigkeit Dauerbetrieb:
 YASKAWA SGMPH04: 49,5°/sec (3000 rpm)
 INDRAMAT MMD042A: 49,5°/sec (3000 rpm)

Max. Positionierungsgeschwindigkeit:
 YASKAWA SGMPH04: 82,5°/sec (5000 rpm)
 INDRAMAT MMD042A: 82,5°/sec (5000 rpm)

Drehmoment an der Achse in Dauerbetrieb:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 300 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

ACHSE C:

Mechanische Drehung Achse: Max. $\pm 220^\circ$
 Betragt Drehung Achse: Max. $\pm 213^\circ$

Max. Geschwindigkeit Dauerbetrieb:
 YASKAWA SGMAH07: 49,5°/sec (3000 rpm)
 INDRAMAT MMD082A: 49,5°/sec (3000 rpm)

Max. Positionierungsgeschwindigkeit:
 YASKAWA SGMAH07: 82,5°/sec (5000 rpm)
 INDRAMAT MMD082A: 74°/sec (4500 rpm)

Drehmoment an der Achse in Dauerbetrieb:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

VERFÜGBARE ELEKTROSPINDELN :

ES 325 HSK E25 Flüssigkeitsgekühlt
 ES 326 HSK E25 Flüssigkeitsgekühlt
 ES 350 HSK E40 F50 Flüssigkeitsgekühlt
 ES 779 ISO 30 Flüssigkeitsgekühlt
 ES 779 HSK F50 Flüssigkeitsgekühlt
 ES 779 HSK F63 Flüssigkeitsgekühlt
 ES 915 ISO 30 NC Luftgekühlt
 ES 915 ISO 30 NL Luftgekühlt
 ES 915 ISO 30 NC Flüssigkeitsgekühlt
 ES 915 ISO 30 NL Flüssigkeitsgekühlt
 ES 915 HSK F63 NC Flüssigkeitsgekühlt
 ES 915 HSK F63 NL Flüssigkeitsgekühlt

MASSE : ~100kg



"A" AXIS:

Mechanical axis rotation: Max. $\pm 135^\circ$
 Recommended axis rotation: Max. $\pm 130^\circ$

Maximum continous work speed:
 YASKAWA SGMPH04: 49,5°/sec (3000 rpm)
 INDRAMAT MMD042A: 49,5°/sec (3000 rpm)

Maximum continous positioning speed:
 YASKAWA SGMPH04: 82,5°/sec (5000 rpm)
 INDRAMAT MMD042A: 82,5°/sec (5000 rpm)

Axis torque under continuous work:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 300 Nm

Torque under discontinuous working conditions:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

"C" AXIS:

Mechanical axis rotation: Max. $\pm 220^\circ$
 Recommended axis rotation: Max. $\pm 213^\circ$

Maximum continous work speed:
 YASKAWA SGMAH07: 49,5°/sec (3000 rpm)
 INDRAMAT MMD082A: 49,5°/sec (3000 rpm)

Maximum continous positioning speed:
 YASKAWA SGMAH07: 82,5°/sec (5000 rpm)
 INDRAMAT MMD082A: 74°/sec (4500 rpm)

Axis torque under continuous work:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

Torque under discontinuous working conditions:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

AVAILABLE ELECTROSPINDLES :

ES 325 HSK E25 Liquid Cooling
 ES 326 HSK E25 Liquid Cooling
 ES 350 HSK E40 F50 Liquid Cooling
 ES 779 ISO 30 Liquid Cooling
 ES 779 HSK F50 Liquid Cooling
 ES 779 HSK F63 Liquid Cooling
 ES 915 ISO 30 NC Air Cooling
 ES 915 ISO 30 NL Air Cooling
 ES 915 ISO 30 NC Liquid Cooling
 ES 915 ISO 30 NL Liquid Cooling
 ES 915 HSK F63 NC Liquid Cooling
 ES 915 HSK F63 NL Liquid Cooling

MASS : ~100kg



ASSE A:

Max. rotazione meccanica asse: $\pm 135^\circ$
 Max. rotazione raccomandata asse: $\pm 130^\circ$

Velocità massima di lavoro continuo:
 YASKAWA SGMPH04: 49,5°/sec (3000 rpm)
 INDRAMAT MMD042A: 49,5°/sec (3000 rpm)

Velocità massima di posizionamento:
 YASKAWA SGMPH04: 82,5°/sec (5000 rpm)
 INDRAMAT MMD042A: 82,5°/sec (5000 rpm)

Coppia massima di lavoro continuo:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 300 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

ASSE C:

Max. rotazione meccanica asse: $\pm 220^\circ$
 Max. rotazione raccomandata asse: $\pm 213^\circ$

Velocità massima di lavoro continuo:
 YASKAWA SGMAH07: 49,5°/sec (3000 rpm)
 INDRAMAT MMD082A: 49,5°/sec (3000 rpm)

Velocità massima di posizionamento:
 YASKAWA SGMAH07: 82,5°/sec (5000 rpm)
 INDRAMAT MMD082A: 74°/sec (4500 rpm)

Coppia massima di lavoro continuo:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

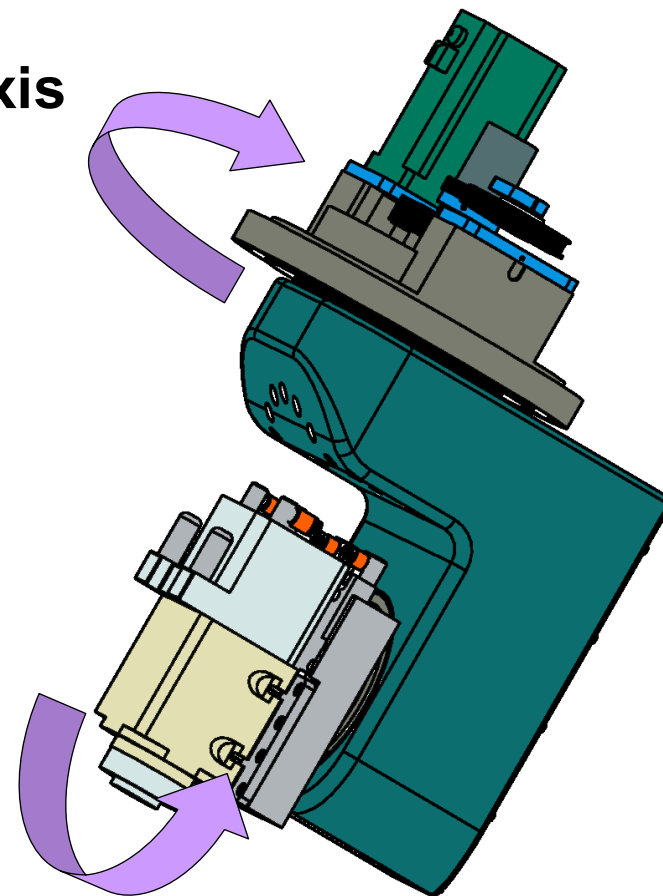
Coppia massima di lavoro discontinuo:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

ELETTROMANDRINI DISPONIBILI

ES 325 HSK E25 Raffreddato a Liquido
 ES 326 HSK E25 Raffreddato a Liquido
 ES 350 HSK E40 F50 Raffreddato a Liquido
 ES 779 ISO 30 Raffreddato a Liquido
 ES 779 HSK F50 Raffreddato a Liquido
 ES 779 HSK F63 Raffreddato a Liquido
 ES 915 ISO 30 NC Raffreddato ad Aria
 ES 915 ISO 30 NL Raffreddato ad Aria
 ES 915 ISO 30 NC Raffreddato a Liquido
 ES 915 ISO 30 NL Raffreddato a Liquido
 ES 915 HSK F63 NC Raffreddato a Liquido
 ES 915 HSK F63 NL Raffreddato a Liquido

MASSA : ~100kg

“C” Axis



“A” Axis

HS 450 F

- **Schnelle Version (242 : 1)**
- **fast version (242 : 1)**
- **versione veloce (242 : 1)**



ACHSE A:

Mechanische Drehung Achse: Max. $\pm 135^\circ$
 Betragt Drehung Achse: Max. $\pm 130^\circ$

Max. Geschwindigkeit Dauerbetrieb:
 YASKAWA SGMPH04: 74,25°/sec (3000 rpm)
 INDRAMAT MMD042A: 74,25°/sec (3000 rpm)

Max. Positionierungsgeschwindigkeit:
 YASKAWA SGMPH04: 123,75°/sec (5000 rpm)
 INDRAMAT MMD042A: 123,75°/sec (5000 rpm)

Drehmoment an der Achse in Dauerbetrieb:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 290 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

ACHSE C:

Mechanische Drehung Achse: Max. $\pm 220^\circ$
 Betragt Drehung Achse: Max. $\pm 213^\circ$

Max. Geschwindigkeit Dauerbetrieb:
 YASKAWA SGMAH07: 74,25°/sec (3000 rpm)
 INDRAMAT MMD082A: 74,25°/sec (3000 rpm)

Max. Positionierungsgeschwindigkeit:
 YASKAWA SGMAH07: 123,75°/sec (5000 rpm)
 INDRAMAT MMD082A: 111°/sec (4500 rpm)

Drehmoment an der Achse in Dauerbetrieb:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

VERFÜGBARE ELEKTROSPINDELN :

ES 325 HSK E25 Flüssigkeitsgekühlt
 ES 326 HSK E25 Flüssigkeitsgekühlt
 ES 350 HSK E40 F50 Flüssigkeitsgekühlt
 ES 779 ISO 30 Flüssigkeitsgekühlt
 ES 779 HSK F50 Flüssigkeitsgekühlt
 ES 779 HSK F63 Flüssigkeitsgekühlt
 ES 915 ISO 30 NC Luftgekühlt
 ES 915 ISO 30 NL Luftgekühlt
 ES 915 ISO 30 NC Flüssigkeitsgekühlt
 ES 915 ISO 30 NL Flüssigkeitsgekühlt
 ES 915 HSK F63 NC Flüssigkeitsgekühlt
 ES 915 HSK F63 NL Flüssigkeitsgekühlt

MASSE : ~100kg



"A" AXIS:

Mechanical axis rotation: Max. $\pm 135^\circ$
 Recommended axis rotation: Max. $\pm 130^\circ$

Maximum continuous work speed:
 YASKAWA SGMPH04: 74,25°/sec (3000 rpm)
 INDRAMAT MMD042A: 74,25°/sec (3000 rpm)

Maximum continuous positioning speed:
 YASKAWA SGMPH04: 123,75°/sec (5000 rpm)
 INDRAMAT MMD042A: 123,75°/sec (5000 rpm)

Axis torque under continuous work:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 290 Nm

Torque under discontinuous working conditions:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

"C" AXIS:

Mechanical axis rotation: Max. $\pm 220^\circ$
 Recommended axis rotation: Max. $\pm 213^\circ$

Maximum continuous work speed:
 YASKAWA SGMAH07: 74,25°/sec (3000 rpm)
 INDRAMAT MMD082A: 74,25°/sec (3000 rpm)

Maximum continuous positioning speed:
 YASKAWA SGMAH07: 123,75°/sec (5000 rpm)
 INDRAMAT MMD082A: 111°/sec (4500 rpm)

Axis torque under continuous work:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

Torque under discontinuous working conditions:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

AVAILABLE ELECTROSPINDLES :

ES 325 HSK E25 Liquid Cooling
 ES 326 HSK E25 Liquid Cooling
 ES 350 HSK E40 F50 Liquid Cooling
 ES 779 ISO 30 Liquid Cooling
 ES 779 HSK F50 Liquid Cooling
 ES 779 HSK F63 Liquid Cooling
 ES 915 ISO 30 NC Air Cooling
 ES 915 ISO 30 NL Air Cooling
 ES 915 ISO 30 NC Liquid Cooling
 ES 915 ISO 30 NL Liquid Cooling
 ES 915 HSK F63 NC Liquid Cooling
 ES 915 HSK F63 NL Liquid Cooling

MASS : ~100kg



ASSE A:

Max. rotazione meccanica asse: $\pm 135^\circ$
 Max. rotazione raccomandata asse: $\pm 130^\circ$

Velocità massima di lavoro continuo:
 YASKAWA SGMPH04: 74,25°/sec (3000 rpm)
 INDRAMAT MMD042A: 74,25°/sec (3000 rpm)

Velocità massima di posizionamento:
 YASKAWA SGMPH04: 123,75°/sec (5000 rpm)
 INDRAMAT MMD042A: 123,75°/sec (5000 rpm)

Coppia massima di lavoro continuo:
 YASKAWA SGMPH04: 300 Nm
 INDRAMAT MMD042A: 290 Nm

Coppia massima di lavoro discontinuo:
 YASKAWA SGMPH04: 450 Nm
 INDRAMAT MMD042A: 450 Nm

ASSE C:

Max. rotazione meccanica asse: $\pm 220^\circ$
 Max. rotazione raccomandata asse: $\pm 213^\circ$

Velocità massima di lavoro continuo:
 YASKAWA SGMAH07: 74,25°/sec (3000 rpm)
 INDRAMAT MMD082A: 74,25°/sec (3000 rpm)

Velocità massima di posizionamento:
 YASKAWA SGMAH07: 123,75°/sec (5000 rpm)
 INDRAMAT MMD082A: 111°/sec (4500 rpm)

Coppia massima di lavoro continuo:
 YASKAWA SGMAH07: 300 Nm
 INDRAMAT MMD082A: 300 Nm

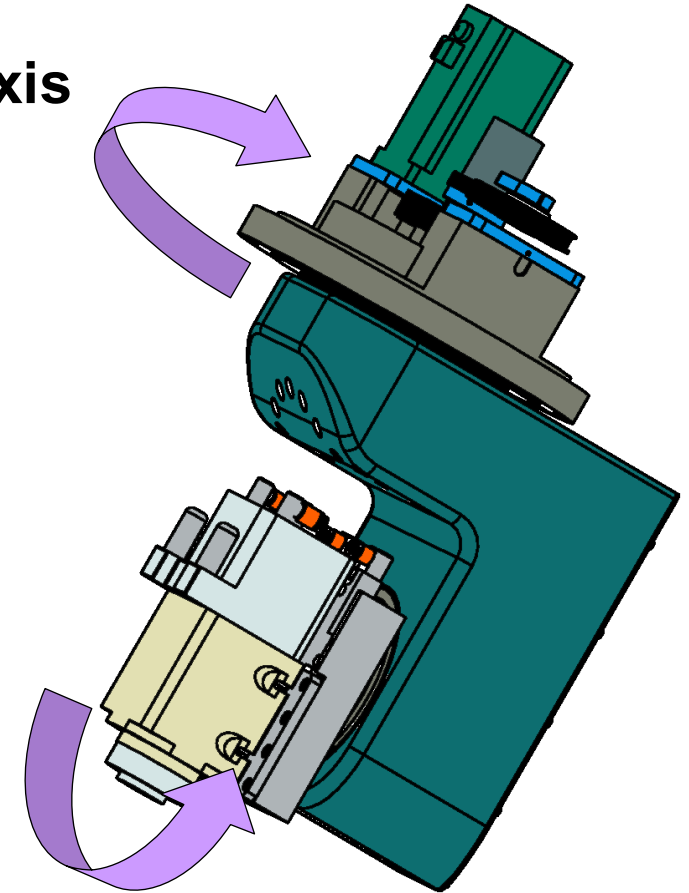
Coppia massima di lavoro discontinuo:
 YASKAWA SGMAH07: 450 Nm
 INDRAMAT MMD082A: 450 Nm

ELETTROMANDRINI DISPONIBILI

ES 325 HSK E25 Raffreddato a Liquido
 ES 326 HSK E25 Raffreddato a Liquido
 ES 350 HSK E40 F50 Raffreddato a Liquido
 ES 779 ISO 30 Raffreddato a Liquido
 ES 779 HSK F50 Raffreddato a Liquido
 ES 779 HSK F63 Raffreddato a Liquido
 ES 915 ISO 30 NC Raffreddato ad Aria
 ES 915 ISO 30 NL Raffreddato ad Aria
 ES 915 ISO 30 NC Raffreddato a Liquido
 ES 915 ISO 30 NL Raffreddato a Liquido
 ES 915 HSK F63 NC Raffreddato a Liquido
 ES 915 HSK F63 NL Raffreddato a Liquido

MASSA : ~100kg

“C” Axis



“A” Axis